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The Fourth Report to Congress

Comprehensive Program and Plan For Federal Energy Education, Extension and Information Activities

P.L. 95-39, Title V
National Energy Extension Service Act and
P.L. 96-294, Section 404
Energy Security Act

May 1981

Prepared by:
U.S. Department of Energy
Assistant Secretary, Conservation and Renewable Energy

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Assistant Secretary, Conservation and Renewable Energy
Washington, D.C. 20585

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Department of Agriculture
Department of Commerce
Department of Education
Department of Energy
Department of Health and Human Services
Department of Housing and Urban Development
Department of Transportation
ACTION
Community Services Administration
Environmental Protection Agency
National Aeronautics and Space Administration
National Science Foundation
Small Business Administration
Tennessee Valley Authority

SUMMARY

The major purpose of the Federal energy education, extension, and information activities addressed in this document is to inform energy users about techniques and technologies to conserve energy and potential renewable energy resources (mainly solar technologies). These activities deliver information and technical assistance to communicate the importance of changes in energy consumption patterns, the energy-efficiency and renewable resource options available, and the associated short- and long-term energy cost savings.

When enacting the National Energy Extension Service Act of 1977 (Public Law 95-39, Title V), Congress expressed concern about the coordination and direction of Federal energy outreach programs. To improve coordination and provide a formal planning mechanism, Congress directed the Department of Energy (DOE) in Section 508 of the Act to prepare and annually revise a Comprehensive Program and Plan for Federal Energy Education, Extension and Information Activities (CPP). The Energy Security Act (Public Law 96-294, Section 404) also requires DOE to report annually to Congress on the status of energy conservation and renewable resource information dissemination activities, including how those DOE activities and services are being coordinated with similar or related activities and services of other Federal agencies. DOE intends this fourth annual CPP to meet both Congressional requirements.

The energy education, extension and information activities presented in this report represent the Federal effort in this area as of the end of Fiscal Year (FY) 1980. The FY 1981 activities are being scaled back to reflect the new FY 1982 direction.

The FY 1982 Federal activities to inform the public will focus on high priority information programs that do not duplicate private sector efforts. This will result in both a reduction in the number of programs and scope of activities for each. In FY 1980 greater emphasis was placed on Federal government support of such programs as market development, technology transfer, and consumer education. These programs are viewed as near term and are scaled back for FY 1981 and are not included in the new administration's FY 1982 funding plans. While these programs have resulted in higher levels of public awareness of energy conservation (as evidenced by survey results), the private sector has begun to put greater investments in conservation and renewable energy activities. It is expected that this private sector trend will continue and be assisted by such mechanisms as public service announcements and corporate advertising; thereby, lessening the need for Federally funded information programs.

In FY 1980 there were 73 Federal energy information activities. Many were relatively small. The Assistant Secretary for Conservation and Renewable Energy (formerly designated Conservation and Solar Energy) in DOE concentrated his coordination attention on major activities: those with an annual budget of at least $1 million, and those where information was a major function, regardless of budget amount.

Information processing and outreach facilitation were the major roles performed by Federal agencies in delivering information services. Fifty-seven activities involved some type of information processing; fifty-six included outreach facilitation. There were eight information repositories.

For purposes of this report education, extension, and information are simply referred to as "information." Information activities included: publications; exhibits and audiovisual displays; educational curricula; workshops, seminars, and conferences; energy audits; specialized consultation with energy users; or use of the mass media. In FY 1980 Federal agencies performed five roles in delivering this information:

- Information Development -- from the Federal energy research and development effort, preparing information to describe technologies to change energy use which are now ready for adoption in the marketplace.
- Information Processing -- analyzing, interpreting, writing, and packaging knowledge on technologies for energy users.
- Information Repository -- receiving, organizing, and making available the information developed and processed.
- Outreach Facilitation -- "leveraging," working through and supporting (with technical or financial assistance) other institutions which directly reach the energy user.
- Direct Outreach -- direct communication with the energy user, without going through any other institution.

There were two prime target audiences for information services: the energy-user, those individuals and institutions consuming energy resources; and influencers, those governmental and private sector institutions who, by their actions, rules, and procedures, can help or interfere with energy-user actions to save energy and convert to alternative fuels.

Finally, this fourth CPP outlines key FY 1981 activities including the rationale for reducing information efforts, a description of the organizational realignments to achieve better management of the remaining efforts and a presentation of the mechanisms for improved program evaluation.

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CHAPTER I

INTRODUCTION

This is the fourth annual Comprehensive Program and Plan for Federal Energy Education, Extension, and Information Activities (CPP), required by Congress under the National Energy Extension Service Act of 1977 (Public Law 95-39, Section 508). It also responds to Section 404 of the Energy Security Act (Public Law 96-294), requiring an annual report to Congress on the status of Federal information dissemination activities on renewable resources and energy conservation.

What is Energy Education, Extension, and Information?

For the Federal Government, "energy education, extension, information" covers those Federally conducted and supported activities intended to inform energy users about techniques and technologies to conserve energy and switch to renewable energy resources (mainly solar technologies). These activities may be education, extension, or information programs, or they may be parts of programs which have broader purposes. Energy education, extension, and information may include: publications; exhibits and audiovisual displays; educational curricula; workshops, seminars, and conferences; energy audits; specialized consultation with energy users; or use of the mass media. DOE has labeled these education, extension, and information activities as information outreach.

There have been five energy information outreach roles for Federal agencies:

- Information Development -- from the Federal energy research and development effort, preparing information to describe technologies to change energy use which are now ready for adoption in the marketplace.
- Information Processing -- analyzing, interpreting, writing, and packaging knowledge on technologies for energy users.
- Information Repository -- receiving, organizing, and making available the information developed and processed.

- o Outreach Facilitation -- "leveraging," working through and supporting (with technical or financial assistance) other institutions which directly reach the energy user.
- o Direct Outreach -- direct communication with the energy user, without going through any other institution.

Who have been the Target Audiences for Federal Energy Information Outreach?

For the fourth CPP, there were two target audience categories. First, Federal agencies reached the energy user -- the individuals and institutions consuming energy resources. Second, Federal agencies touched influencers of energy consumption -- those governmental and private sector institutions who, by their actions, rules, and procedures, can help or interfere with energy-user actions to save energy and convert to alternative fuels. Examples of influencers are architects, financial institutions, owners of tenant-occupied buildings, utility companies, and local planning commissions.

For the CPP the target audiences were not, at least for now, the scientific and technical communities as they conduct research on and bring energy technologies into the marketplace. There are two reasons for this omission. First, Congress required the CPP in the context of energy-user legislation -- the Energy Extension Service (EES) Act. Second, the education, extension, and information needs of the scientific and technical communities are greatly different from the outreach needs of energy users and influencers. The scientific and technical communities need highly detailed and sophisticated information communicated mainly through professional channels. Energy users and influencers need enough information and assistance, tailored to their needs, values, and interests, to make energy-related decisions. They rarely need highly detailed and sophisticated technical information, and outreach agents can usually reach energy users and influencers through a variety of communication channels. In fact, one of the problems in evaluating energy outreach is to know which channels most effectively influence target audiences to action.

What have been the Major Energy Messages to Communicate?

The energy education, extension, and information activities in the CPP communicate with energy users and influencers on energy conservation and renewable resources. The objectives were:

- To encourage the adoption of building, industrial process, or transportation design and operating modifications to increase energy efficiency.
- To encourage changes in energy-use habits, reflecting a greater emphasis on efficiency.
- To encourage the use of renewable resources.
- To assure that the public and members of various groups have the necessary knowledge and skills to participate effectively in the marketplace.

What is the Major Focus for Coordinating Federal Information Outreach?

Congress requires that the CPP include mechanisms established to coordinate Federal energy education, extension, and information activities. There are 73 Federal energy outreach activities represented in this fourth CPP. Many are relatively small in terms of budget (less than $1 million annually) or placed within a larger program (that is, outreach may be a very small appendage to a large program with much broader goals). The Assistant Secretary for Conservation and Renewable Energy intends to focus his coordination attention on major outreach activities -- those with an annual budget for energy outreach of at least $1 million and those where outreach is a major function, regardless of the budget amount. The active coordination will not cover outreach programs of the Tennessee Valley Authority, regardless of amount, since they are not part of a national effort.

Legislative Requirements

The EES Act and the Energy Security Act require several elements in this document. The CPP addresses them as follows:

National Energy Extension Service Act

(1) Specific delineation of responsibility of each participating Federal agency in the conduct of these (energy outreach) activities

- See Chapters II, III, and IV and Appendix A

(2) Mechanisms estabished to coordinate these activities

- See Chapter IV.

(3) A detailed summary of all related Federal programs under law, other than the EES Act, including program descriptions, types of delivery mechanisms, budget, and objectives

- See Appendix A

(4) Procedures for defining and measuring the effectiveness, in terms of increased energy efficiency, fuel savings, adoption of new energy technologies, and other appropriate criteria, of the (energy outreach) activities

- See Chapter IV

(5) An assessment of other existing Federal assistance and incentives, other than public education, extension, and outreach programs, and their relation to such programs, in achieving the objectives of the EES Act

- See Chapter II

(6) Procedures to minimize conflict with existing services in the private sector of the economy which are similar to those under the EES Act and other law

- See Chapter IV

(7) A comprehensive and integrated plan taking into account elements 1) through 6) above

- See Chapter IV

Energy Security Act

(1) Affirmative steps to coordinate all of the activities of the Department of Energy, whether conducted by the Department itself or by other public or private entities with assistance from the Department, which are aimed at or involve the dissemination of information with respect to renewable energy resources or energy conservation.

- See Chapter IV

(2) Description of how the information dissemination activities and services of the Department of Energy are being coordinated with similar or related activities and services of other Federal agencies

- See Chapter IV

Organization of Report

This fourth CPP is in four chapters.

Chapter I is an introduction. The chapter defines energy education, extension, and information; describes what the basic Federal roles and responsibilties are; identifies the target audiences; summarizes the messages which Federal agencies want to communicate to these target audiences; indicates the major focus for coordinating Federal information outreach; and specifies the legislative requirements of the CPP.

Chapter II is an analysis of the Federal energy education, extension, and information program in FY 1980. This analysis is to give the reader a sense of what the many Federal activities look like as a whole; how Federal agencies carry out their roles and responsibilities; and how other Federal programs are related to energy outreach.

Chapter III describes Federal energy outreach activities in two specific areas - small business and small-scale energy users. This chapter defines small business and their needs in energy conservation and solar technologies; Federal objectives to meet those needs; major Federal roles and responsibilities; and current energy outreach program activities. This chapter also identifies Federal energy outreach activities to small-scale energy users.

Chapter IV is the Federal plan for coordinating energy education, extension, and information activities in FY 1981. The plan discusses efforts related to management, coordination and evaluation.

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CHAPTER II

ANALYSIS OF FEDERAL ENERGY OUTREACH ACTIVITIES IN FY 1980

Fourteen Federal agencies operated 73 programs with energy outreach components. Collectively these 14 Federal agencies are:

- Pursuing 4 objectives -- modifications in structure and design; changes in energy use habits; use of renewable fuels; and development of energy analysis skills.
- Reaching 12 different types of target audiences -- the general public; residents; teachers and/or students; business and industry (in general); small commercial and industrial firms; trade and professional groups; state government; local government; health, education, and research institutions; community and non-profit groups; agriculture; and transportation.
- Using 7 different types of services -- technical assistance; energy audits; practical demonstrations; workshops, seminars, and conferences; curriculum development; exhibits and audiovisual displays; and publications and materials.

Exhibit 1 (page 10) summarizes the above characteristics for each Federal energy outreach activity identified. For each program activity shown in the exhibit, the page number is provided for cross reference in Appendix A. The Appendix has detailed descriptions of each activity.

Federal Energy Outreach: Roles and Responsibilities

Chapter I described five energy outreach roles for Federal agencies: information development, information processing, information repository outreach facilitation, and direct outreach. Exhibit 2 (page 16) displays the 73 outreach activities in this CPP in terms of the roles that each plays.

Information processing and outreach facilitation were the major roles performed by Federal agencies, as illustrated by the activities described in this CPP. Fifty-seven activities did some type of information processing: analyzing, interpreting, writing, and packaging knowledge on energy-use technologies for energy users. Fifty-six activities engaged in outreach facilitation: working through and supporting other institutions which directly reach the energy user. Forty activities did direct outreach: communicating directly with the energy user without going through any other institution. In the energy outreach network there were eight information repositories: institutions which receive, organize, and make available energy technology information from research and development efforts. Six repositories are in DOE, two in other agencies. Three of the repositories only have information on solar and geothermal technologies. The other five cover all energy technologies. Seven programs with an outreach component also did information development: preparing information as part of a research and development effort to describe energy-use technologies. Twenty-seven activities combined information processing with outreach facilitation or direct outreach, and twenty-five activities combined information processing with outreach facilitation and direct outreach. Only thirteen activities performed just one outreach role.

Other Federal Programs Related to Federal Energy Outreach

Energy outreach was one of four basic strategies through which the Federal Government pursued national energy conservation and renewable resource goals. The others included:

- o Conducting or supporting research and development;
- o Relying on the free market;
- o Offering financial incentives.

Research and Development

Those research and development programs of the Department of Energy dealing with renewable energy, and conservation technologies: solar heating and cooling, wind energy conversion systems, small-scale hydroelectric power, biomass, photovoltaics, cogeneration, and building and community design and engineering.

Relying on the Free Market

Deregulation of energy prices.

Financial Incentives

Weatherization Assistance Program. (NECPA) Grants to States to purchase and install materials to weatherize homes occupied by low-income families.

Residential Tax Credit. (Energy Tax Act) Income tax credits to home owners for purchase and installation of conservation, solar, wind, and other renewable resource technologies.

Business Energy Tax Credits. (Energy Tax Act) An additional 10 percent investment tax credit for specified energy investment.

Schools/Hospitals Grants. (NECPA) Grants to States and schools and hospitals to assist the schools and hospitals to pay for energy audits and install energy conservation and solar energy measures.

Vanpooling Income "Forgiveness." (Energy Tax Act) Employer furnished vanpool service will not be considered income to the employee with respect to income tax laws.

Energy outreach related to each of these other strategies as either a linkage or an alternative. To the extent that the success of these strategies depends on acceptance and responsive actions by appropriate target audiences, it was the energy outreach arm that informed, educated, encouraged and advised these audiences.

EXHIBIT I. FEDERAL ENERGY OUTREACH ACTIVITIES

AGENCY/PROGRAM	Page # of Program Description	AUDIENCES												OBJECTIVES				SERVICES						
		General Public	Residential	Teachers and/or Students	Business and Industry (General)	Small Commercial and Industrial Firms	Trade and Professional Groups	State Government	Local Government	Health, Education and Research Inst.	Community and Other Non-Profit Groups	Agriculture	Transportation	Modifications in Structure and Design	Changes in Energy Use Habits	Use of Renewable Fuels	Development of Energy Analysis Skills	Publications	Exhibits and Audiovisual Displays	Curriculum Development	Workshops, Seminars and Conferences	Demonstrations	Audits	Technical Assistance
DEPARTMENT OF ENERGY																								
CONSERVATION & SOLAR ENERGY																								
CONSERVATION																								
OFFICE OF BUILDINGS & COMMUNITY SYSTEMS																								
Appliance Label Consumer Education Program	A-2	●	●	●	●	●	●	●	●		●	●			●		●	●	●	●	●			
Comprehensive Community Energy Management Program (CCEMP)	A-6	●	●		●	●	●		●		●				●	●	●	●	●		●			
Energy Partnership for American Cities (EPAC)	A-9				●	●	●								●		●			●	●			
Fuel Oil Conservation Marketing Program	A-11	●	●			●	●	●						●	●		●	●		●	●			
Low Cost/No Cost Program (LC/NC)	A-13	●	●		●			●			●			●	●			●	●					●
Program Support Branch	A-15	●	●	●	●	●	●	●	●	●	●			●	●		●	●	●		●			●
The President's Clearinghouse for Community Energy Efficiency (PCH)	A-18	●			●	●	●		●	●	●			●	●	●	●	●			●			
Residential Conservation Service Program (RCS)	A-21		●		●			●						●	●	●		●		●	●		●	●
Small Business Energy Cost Reduction Program	A-24					●	●	●	●						●		●	●	●		●			●
Intergovernmental Small Business Energy Management Demonstration Program	A-27				●	●	●		●		●				●	●	●	●	●		●	●	●	●
OFFICE OF INDUSTRIAL PROGRAMS																								
Energy Analysis and Diagnostic Centers (EADC)	A-29				●	●								●	●		●	●		●	●			●
Industrial Conservation Reporting Program	A-32				●	●	●								●		●	●						
Technical Information Evaluation and Communications Products Development	A-34				●	●	●	●	●	●		●		●	●		●	●			●			
OFFICE OF TRANSPORTATION PROGRAMS																								
Driver Awareness Program	A-36	●		●	●	●	●	●	●	●	●	●	●		●			●	●	●	●			
Electric and Hybrid Vehicle Market Demonstrations	A-39	●		●	●	●	●	●	●	●			●	●				●		●	●	●		●
New Car Fuel Economy Information Program	A-42	●			●	●		●	●				●		●		●	●						

EXHIBIT 1. (continued)

AGENCY/PROGRAM	Page # of Program Description	AUDIENCES												OBJECTIVES				SERVICES						
		General Public	Residential	Teachers and/or Students	Business and Industry (General)	Small Commercial and Industrial Firms	Trade and Professional Groups	State Government	Local Government	Health, Education and Research Inst.	Community and Other Non-Profit Groups	Agriculture	Transportation	Modifications in Structure and Design	Changes in Energy Use Habits	Use of Renewable Fuels	Development of Energy Analysis Skills	Publications	Exhibits and Audiovisual Displays	Curriculum Development	Workshops, Seminars and Conferences	Demonstrations	Audits	Technical Assistance
OFFICE OF TRANSPORTATION PROGRAMS (cont.)																								
Ridesharing Technical Assistance	A-46	●			●	●	●	●	●				●		●			●	●		●			●
Voluntary Truck and Bus Fuel Economy Program	A-49				●	●	●	●	●			●	●		●			●	●		●			●
STATE AND LOCAL ASSISTANCE PROGRAMS																								
OFFICE OF GOVERNMENT CONSERVATION PROGRAMS																								
Energy Extension Service (EES)	A-53	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Local Government Conservation Programs	A-53			●			●		●		●		●	●	●	●		●			●	●		
Grant Program for Schools and Hospitals	A-60			●				●		●				●	●		●						●	●
State Energy Conservation Program (SECP)	A-62	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●
OFFICE OF SMALL-SCALE TECHNOLOGY																								
Appropriate Technology Small Grants Program	A-65	●				●		●	●		●			●		●		●	●		●			
SOLAR ENERGY																								
OFFICE OF SOLAR APPLICATIONS FOR BUILDINGS																								
Market Development Programs	A-67	●	●	●	●	●	●	●	●		●			●	●	●	●	●	●	●	●			●
FIELD OPERATIONS AND INTERNATIONAL PROGRAMS																								
Regional Solar Energy Centers (RSEC's)	A-70	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●		●
DOE Solar Energy Information Data Bank (SEIDB)	A-75	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●
OFFICE OF CONSUMER AFFAIRS																								
Faculty Development Program	A-81			●						●					●	●	●				●			
Materials Development Program	A-83			●											●	●	●	●		●				
Post-Secondary, Pre-Baccalaureate Energy-Related Education and Training	A-85			●			●			●							●	●		●	●			
Pre-Freshman Engineering Program (PREP)	A-87			●			●			●							●				●			

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EXHIBIT 1. (continued)

AGENCY/PROGRAM	Page # of Program Description	AUDIENCES												OBJECTIVES				SERVICES						
		General Public	Residential	Teachers and/or Students	Business and Industry (General)	Small Commercial and Industrial Firms	Trade and Professional Groups	State Government	Local Government	Health, Education and Research Inst.	Community and Other Non-Profit Groups	Agriculture	Transportation	Modifications in Structure and Design	Changes in Energy Use Habits	Use of Renewable Fuels	Development of Energy Analysis Skills	Publications	Exhibits and Audiovisual Displays	Curriculum Development	Workshops, Seminars and Conferences	Demonstrations	Audits	Technical Assistance
ENERGY INFORMATION ADMINISTRATION																								
National Energy Information Center	A-89	●		●	●	●		●	●	●					●		●	●			●			●
OFFICE OF ENERGY RESEARCH																								
University/Laboratory Cooperative Program	A-91			●						●							●	●		●				
OFFICE OF PUBLIC AFFAIRS																								
Audio-Visual Branch	A-93	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●					
Public Presentations Branch	A-96	●									●				●	●		●	●		●	●		
Press Services Program	A-99	●													●	●		●	●					
Publications Branch	A-101	●			●										●	●		●						
Special Programs	A-105	●			●		●				●			●	●	●		●	●		●	●		
RESOURCE APPLICATIONS																								
Geothermal Energy	A-107	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●		●
Technical Information Program	A-113	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
ACTION																								
DOMESTIC OPERATIONS																								
Retired Senior Volunteer Program (RSVP)	A-117		●								●				●		●	●	●		●	●	●	●
Volunteers in Service to America (VISTA)	A-120		●								●			●	●	●	●		●	●	●	●	●	●
OFFICE OF POLICY & PLANNING																								
Energy Conservation	A-122		●	●						●	●			●	●	●	●	●	●	●	●	●	●	●
US DEPT. OF AGRICULTURE																								
Cooperative Extension Service (CES)	A-124	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Forest Biomass Energy Program	A-129	●	●	●	●	●	●	●	●		●	●	●		●	●	●	●	●	●	●	●		●
DEPARTMENT OF COMMERCE																								
ECONOMIC DEVELOPMENT ADMINISTRATION																								
Professional Services Program	A-132	●	●		●	●			●		●	●			●	●	●	●	●		●	●		●
Technical Assistance Program	A-134	●		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●

EXHIBIT 1. (continued)

AGENCY/PROGRAM	Page # of Program Description	AUDIENCES												OBJECTIVES				SERVICES						
		General Public	Residential	Teachers and/or Students	Business and Industry (General)	Small Commercial and Industrial Firms	Trade and Professional Groups	State Government	Local Government	Health, Education and Research Inst.	Community and Other Non-Profit Groups	Agriculture	Transportation	Modifications in Structure and Design	Changes in Energy Use Habits	Use of Renewable Fuels	Development of Energy Analysis Skills	Publications	Exhibits and Audiovisual Displays	Curriculum Development	Workshops, Seminars and Conferences	Demonstrations	Audits	Technical Assistance
INTERNATIONAL TRADE ADMINISTRATION																								
Energy Projects Outreach	A-138				●	●	●								●		●	●						
NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION																								
National Sea Grant College Program	A-139	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●
COMMUNITY SERVICES ADMINISTRATION																								
OFFICE OF COMMUNITY ACTION, ENERGY DIVISION																								
Emergency Energy Conservation Services	A-144		●								●			●	●	●	●	●	●	●	●			●
Consumer Protection and Education	A-147		●								●			●	●			●			●	●		
DEPARTMENT OF EDUCATION																								
OFFICE OF EDUCATIONAL RESEARCH AND IMPROVEMENT																								
Energy and Education Action Center (EEAC)	A-148			●			●			●	●	●	●		●		●	●	●	●	●			●
ENVIRONMENTAL PROTECTION AGENCY																								
OFFICE OF RESEARCH AND DEVELOPMENT																								
Environmental Aspects of Industrial Energy Conservation Methods	A-151				●	●	●	●	●	●				●	●	●	●	●			●			●
OFFICE OF SOLID WASTE																								
Resource Recovery Implementation Program	A-154				●	●	●	●	●		●				●	●	●	●			●			●
DEPARTMENT OF HEALTH AND HUMAN SERVICES																								
ADMINISTRATION ON AGING																								
Grants for State and Community Programs on Aging	A-157	●	●	●	●	●	●	●	●		●		●		●			●	●		●	●		●
HEALTH RESOURCES ADMINISTRATION																								
Division of Energy Policy and Programs	A-162	●			●		●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●

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EXHIBIT 1. (continued)

AGENCY/PROGRAM	Page # of Program Description	AUDIENCES												OBJECTIVES				SERVICES						
		General Public	Residential	Teachers and/or Students	Business and Industry (General)	Small Commercial and Industrial Firms	Trade and Professional Groups	State Government	Local Government	Health, Education and Research Inst.	Community and Other Non-Profit Groups	Agriculture	Transportation	Modifications in Structure and Design	Changes in Energy Use Habits	Use of Renewable Fuels	Development of Energy Analysis Skills	Publications	Exhibits and Audiovisual Displays	Curriculum Development	Workshops, Seminars and Conferences	Demonstrations	Audits	Technical Assistance
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT																								
OFFICE OF COMMUNITY PLANNING AND DEVELOPMENT																								
Community Development Block Grants (CDBG)	A-169	●	●		●	●			●		●			●	●	●		●	●			●	●	●
Urban Development Action Grants (UDAG)	A-173		●		●	●			●					●		●		●						●
OFFICE OF HOUSING																								
Indian Housing	A-175		●											●	●						●			●
Low-Rent Public Housing	A-177		●						●					●	●		●	●			●	●		●
OFFICE OF FINANCING AND PRESERVATION																								
Multifamily Housing Held-Owned	A-179	●		●			●							●	●	●		●	●	●	●	●	●	●
OFFICE OF NEIGHBORHOODS, VOLUNTARY ASSOCIATIONS AND CONSUMER PROTECTION																								
Community-Based Energy Conservation Division	A-181	●	●			●	●				●				●	●	●	●			●			●
OFFICE OF POLICY DEVELOPMENT AND RESEARCH																								
Product Dissemination and Transfer	A-183	●	●	●	●		●		●		●				●	●	●	●	●			●		
Solar Heating and Cooling Demonstration Program	A-186	●	●	●			●	●	●		●					●		●	●		●	●		
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION																								
OFFICE OF SPACE AND TERRESTRIAL APPLICATIONS																								
Technology Utilization Program	A-191	●			●	●	●			●				●	●	●		●	●		●	●		
NATIONAL SCIENCE FOUNDATION																								
INTERGOVERNMENTAL SCIENCE & PUBLIC TECHNOLOGY																								
Intergovernmental Programs	A-193						●	●	●	●				●	●	●	●	●			●			●

EXHIBIT 1. (continued)

AGENCY/PROGRAM	Page # of Program Description	AUDIENCES												OBJECTIVES				SERVICES						
		General Public	Residential	Teachers and/or Students	Business and Industry (General)	Small Commercial and Industrial Firms	Trade and Professional Groups	State Government	Local Government	Health, Education and Research Inst.	Community and Other Non-Profit Groups	Agriculture	Transportation	Modifications in Structure and Design	Changes in Energy Use Habits	Use of Renewable Fuels	Development of Energy Analysis Skills	Publications	Exhibits and Audiovisual Displays	Curriculum Development	Workshops, Seminars and Conferences	Demonstrations	Audits	Technical Assistance
SMALL BUSINESS ADMINISTRATION																								
TECHNOLOGY ASSISTANCE DIVISION																								
Technology Assistance Program	A-197					●								●	●	●	●	●						●
TENNESSEE VALLEY AUTHORITY																								
OFFICE OF POWER																								
Energy Management and Conservation Program for Commercial and Industrial Consumers	A-199				●	●								●	●		●	●	●		●	●	●	●
The Super Saver Electric Home Program	A-202	●	●	●	●		●							●	●			●	●		●	●		●
TVA's Heat Pump Financing Plan	A-205	●	●		●	●	●							●		●	●	●	●	●	●		●	●
TVA's Home Insulation Program	A-209	●	●						●					●	●			●	●		●	●	●	●
DEPARTMENT OF TRANSPORTATION																								
OFFICE OF TECHNOLOGY SHARING																								
Technology and Knowledge Sharing	A-212	●			●		●	●	●				●		●		●	●	●		●			●
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA)																								
Operation C.A.R.E.	A-214	●			●	●		●	●				●		●			●	●	●	●	●		●
FEDERAL HIGHWAY ADMINISTRATION																								
Ridesharing Program	A-218	●			●			●	●		●		●		●			●			●			●

BEST DOCUMENT AVAILABLE

Exhibit 2

FEDERAL ENERGY PROGRAM ROLES IN AN OUTREACH NETWORK

Federal Outreach Program Activity	Information Development	Information Repository	Information Processing	Outreach Facilitation	Direct Outreach
	Outreach Network Roles				
DOE/Conservation & Solar Energy					
Energy Extension Service			X	X	
Local Govt.-Public Care Bldgs.					X
Schools and Hospitals					X
State Energy Conservation			X	X	
Local Government Conservation			X	X	
Appliance Label Consumer Education			X	X	X
Comprehensive Community Energy Mgt.	X		X	X	X
Energy Partnership for American Cities			X	X	X
Fuel Oil Conservation Marketing			X		X
Residential Conservation Service			X	X	
President's Clearinghouse/Energy Efficiency				X	
Small Business Demonstration Program		X	X	X	X
Small Business Energy Cost Reduction	X	X	X	X	X
Industrial Energy Conservation Reporting			X	X	X
Tech. Info.&Com., Products Dev.			X		X
Driver Awareness	X		X	X	X
Electric & Hybrid Vehicle Mkt. Demo.			X		X
New Car Fuel Economy Information			X	X	X
Ridesharing Technical Assistance			X	X	
Voluntary Truck & Bus Fuel Economy			X	X	X
SA: Market Development Programs			X	X	
Regional Solar Energy Centers			X	X	
Solar Energy Information Data Bank		X	X		
Appropriate Technology Small Grants			X		X
DOE/Resource Applications					
Geothermal/Hydrothermal Commercialization	X	X	X	X	X
Technical Information Program		X	X	X	X
DOE/Energy Research					
University/Laboratory Cooperative			X	X	X
DOE/Consumer Affairs					
Faculty Development				X	
Materials Development			X	X	
Post Second., Pre-Bacc. Education & Training				X	
PREP				X	
DOE/Public Affairs					
Audiovisual Branch			X	X	
Public Presentations Branch			X	X	X
Press Services			X	X	
Publications Branch			X	X	
Special Programs			X	X	
DOE/Energy Information Administration					
National Energy Information Center		X	X	X	X
ACTION					
VISTA					X
Retired Senior Volunteer Program			X		X
Energy Conservation			X	X	

Exhibit 2 (Cont.)

Federal Outreach Program Activity	Outreach Network Roles Information Development	 Information Repository	 Information Processing	 Outreach Facilitation	 Direct Outreach
USDA/Forest Service					
Forest Biomass Energy				X	X
USDA/Science & Education Administration					
Cooperative Extension Service			X	X	
DOC/Economic Development Administration					
Professional Services			X	X	
Technical Assistance				X	
DOC/Industry & Trade Administration					
Energy Projects Outreach			X		X
DOC/National Oceanic Atmospheric Administration					
National Sea Grant College Program			X	X	
Community Services Administration					
Consumer Protection & Education				X	
Emergency Energy Conservation Services			X	X	
Legal Advocacy	X		X	X	
EPA					
Environmental Aspects: Industry Energy Conserv.	X		X	X	X
Resource Recovery Implementation			X	X	X
HHS/Administration on Aging					
Grants: State & Community Programs on Aging			X	X	
HHS/Health Resources Administration					
Energy Policy & Programs			X	X	X
Department of Education					
Energy & Education Action Center		X	X	X	X
HUD/Office of Community Planning & Development					
Community Development Block Grants				X	
Urban Development Action Grants			X		
HUD/Office of Housing					
Indian Housing					X
Low-Rent Public Housing					X
Multifamily Housing (HUD held/owned)			X	X	X
HUD/NVACP					
Energy Conservation			X		X
HUD/Office of Policy Development & Research					
Product Dissemination & Transfer			X	X	
Solar Heating & Cooling Demonstration	X	X	X	X	
NASA/Technology Transfer Division					
Technology Utilization			X	X	
NSF/Intergovernmental Science & Public Technology					
Intergovernmental				X	
SBA/Technology Assistance Division					
Technology Assistance			X		X
TVA					
Certified Electric Heat Pump Installation			X	X	X
Energy Mgt. & Conservation for Commerce/Ind.					X
Super Saver Electric Home Program			X	X	X
Home Insulation Program			X	X	X
DOT/Office of Governmental Affairs					
Technology & Knowledge Sharing			X	X	X
DOT/National Highway Traffic Safety Adm.					
Operation C.A.R.E.			X	X	X
DOT/Federal Highway Administration					
National Ridesharing Demonstration			X		X

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CHAPTER III

FEDERAL ENERGY OUTREACH
ACTIVITIES TO SMALL BUSINESS AND SMALL-SCALE ENERGY USERS

This chapter of the CPP focuses on the presentation of Federally sponsored outreach services to small business and to small-scale energy users, respectively, during FY 1980.

Small Business

A "small business" is any concern, including its affiliates, which is independently owned and operated, is not dominant in its field of operations, and further qualifies according to "number of personnel" and "annual receipts" tests (which vary according to type of industry). The Small Business Administration (SBA) provides this definition (and qualification tests).

There are almost 11 million small businesses in the country, employing over 100 million people (58 percent of total U.S. business employment). Small business accounts for 43 percent of the gross national product. Small business makes 80 percent of the income of construction firms, 70 percent of retailer and wholesaler income. Many small businesses have already taken steps to save energy, but we do not yet know how many--or what they have done.

Energy Outreach Needs. The CPP drew from several sources to present this composite profile of outreach needs of small business in FY 1980. SBA funded a survey, "The Small Business Energy Study," to find out small business energy usage, experiences, needs, and related concerns.

Small businesses need to understand better what they spend on energy. Many business owners and operators still treat energy costs as a fixed expense, and not as a manageable cost which can be reduced through the adoption of conservation measures tailored to the needs of a particular business.

The major small business sector which needed outreach services was industry and manufacturing. Currently involving high, often inefficient energy usage, industrial and manufacturing firms offered the greatest opportunity for significant energy savings. Among outreach needs in other small business areas were information and assistance in electric heating (pumps and resistance), vehicle-related conservation, and active solar space heating.

Small businesses needed to know precisely what information and assistance were available--and how to get them. The firms needed information and assistance specifically tailored to their type of manufacturing, retail, wholesale, transportation, or construction business.

Small businesses must have credible information from credible delivery agents, and they must receive reinforcement to take actions: for example, frequent follow-ups or support from others who have already taken the action. Small businesses outside traditional networks (for example, those businesses not members of trade associations) need access to information and assistance through other mechanisms.

Federal Outreach Objectives to Small Business. The objectives below represent a spectrum of outcomes which Federal agencies expected from their efforts, depending on where particular types of small businesses were with respect to saving energy or converting to renewable resources. The CPP drew these objectives from the DOE "Office of Small Business Energy Cost Reduction Program Marketing Mechanism Evaluation," October 22, 1979.

(1) To expose small businesses to the opportunities for and benefits from conserving energy in their operations.

(2) To help small businesses become familiar with demonstrated methods for minimizing their energy consumption and to stimulate them to seek additional information.

(3) To encourge small businesses to consider seriously applying the knowledge they have gained about energy conservation and renewable resource opportunities to their own situations.

(4) To encourage small business actions to test, at least, new energy conservation techniques and technologies.

(5) To gain small business adoption of energy conservation recommendations and move to make them a normal part of business operations.

Current Federal Roles and Responsibilities in Outreach to Small Business.

Information Development and Processing. In FY 1980 the Conservation and Renewable Energy program offices in DOE had the prime responsibility for preparing information on technologies from the research and development effort and for analyzing, interpreting, writing, and packaging that knowledge for small business. The program offices consulted closely with the main delivery agents to small business to ensure that they tailor the messages to the special needs of the small business person. The main program offices are the DOE Offices of Building and Community Systems, Industrial Programs, and Transportation Programs.

Information Repositories. They are the DOE Technical Information Center and the Solar Energy Information Data Bank.

Outreach Facilitation. There have been several Federal actors with roles in outreach facilitation. They include DOE's EES and State Energy Conservation

Program (SECP) programs, DOE's Offices of Building and Community Systems, Industrial Programs, and Transportation Programs; the four Regional Solar Energy Centers; and the Department of Agriculture's Cooperative Extension Service.

Direct Outreach. There is virtually no direct Federal agency energy outreach to small business, although such efforts are conducted through the States.

Current Federal Energy Outreach Program Activities to Small Business.

Energy Conservation.

Small Business Energy Cost Reduction. The DOE Office of Building and Community Systems, in conjunction with trade associations, developed practical information to small businesses on dollars-and-cents measures to reduce energy costs and consumption--in particular, industry-specific guidebooks. Also, it gave training for EES staffs conducting small business programs.

Energy Analysis and Diagnostic Centers. The DOE Office of Industrial Programs provided technical assistance to small and medium size firms through audits of facilities by professional engineering staffs and students at selected colleges of engineering.

Technical Information, Evaluation and Communications, Products Development. The Office of Industrial Programs developed publications and supported workshops on commercially available energy conservation technologies.

Grants and Technical Assistance to States. State EES and SECP programs delivered information and technical assistance through organizations most credible to small businesses.

Agricultural Extension. As part of broader extension services mainly in agricultural and rural communities, Cooperative Extension Service field agents offered demonstrations, materials, and technical assistance.

"Small Business Energy Study." The University of Pittsburgh is conducting the SBA-funded survey of 6,000 small businesses. The official title is: "Impact of Increasing Energy Prices and Energy Supply Curtailments on Smaller Manufacturing, Retail, Wholesale, Transportation, and Construction Businesses in the United States." The survey, scheduled for completion in 1981, is examining such subjects as: fuel use; shortages, cutoffs, and effects; measures small businesses have taken to save energy; how they have financed their actions; conservation investment, financing, and payback periods; regulation responses and effects; information sources and credibility; information, assistance, and technology needs. Small businesses may be motivated by the results of this study to initiate energy conservation programs or expand existing programs.

Ridesharing Technical Assistance. The DOE Office of Transportation Programs worked through other institutions to help businesses put together ridesharing and vanpooling programs.

Voluntary Truck and Bus Fuel Economy (VTBFE). The DOE Office of Transportation Programs worked through other institutions and member organizations of the VTBFE Program in providing information and assistance promoting fuel-use efficiency of trucks and buses that exceed 10,000 lbs. gross vehicle weight.

Solar Technologies. Workshops were given for small business owners; a solar reference book and workshops for financiers; train-the-trainer and training aids for installers and maintainers; installation and maintenance manuals; commercial demonstrations; workshops for utilities; and structured solar information outreach (collecting, packaging, and disseminating information). The States will be encouraged to meet these outreach needs of their small business constituencies.

Small-Scale Energy Users

Small-scale energy users are defined as: homeowners, tenants, and landlords; small commercial and industrial firms; state and local governments; agriculture; bankers and architects; teachers and students; hospitals and schools; and community and other nonprofit groups. Federally sponsored outreach services are mostly through state and local governments and other organizations. States will be encouraged to meet the individual outreach needs of their small-scale energy users.

All 73 Federal energy outreach activities identified in this fourth CPP directed at least a portion of their services to small-scale energy users in a state. Most activities covered virtually all the states, but a few operated only in some of the states. Exhibit 3 (page 25) is a matrix which identifies the states in which each of the Federally sponsored programs listed was active. For each program listed, the matrix references the page number of the program description in Appendix A.

EXHIBIT 3. STATE SPECIFIC FEDERAL OUTREACH PROGRAMS TO SMALL-SCALE ENERGY USERS

Agency	Page No.	Program Name	Alabama	Alaska	American Samoa	Arizona	Arkansas	California	Colorado	Connecticut	Delaware	District of Columbia	Florida	Georgia	Guam	Hawaii	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Mariana Islands	Maryland	Massachusetts	Michigan	Minnesota	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio	Oklahoma	Oregon	Pennsylvania	Puerto Rico	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Trust Territory of the Pacific Islands	Utah	Vermont	Virgin Islands	Virginia	Washington	West Virginia	Wisconsin	Wyoming
DOE	A-2	Appliance Label Consumer Education Program	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOE	A-6	Comprehensive Community Energy Management Program						●	●	●			●	●					●					●			●	●											●		●	●		●					●				●			●		●	
DOE	A-9	Energy Partnership for American Cities (EPAC)										●	●								●			●														●					●			●				●			●			●			
DOE	A-11	Fuel Oil Conservation Marketing Program								●														●			●								●	●		●	●					●		●												●	
DOE	A-13	Low Cost/No Cost Program (LC/NC)							●															●			●								●											●							●						
DOE	A-15	Program Support Branch	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOE	A-18	President's Clearinghouse	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-21	Residential Conservation Service Program (RCS)	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●		●	●	●	●		●	●	●	●	●			●			●	●	●	●
DOE	A-24	Small Business Energy Cost Reduction Program	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-27	Small Business Energy Mgmt. Demo. Program	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-29	Energy Analysis and Diagnostic Centers (EADC)												●							●																				●	●		●					●										
DOE	A-32	Industrial Energy Conservation Reporting Program	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-34	Tech. Info. Evaluation & Communications Product Dev.	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-36	Driver Awareness Program	●			●		●	●	●	●	●	●	●		●	●	●		●	●	●				●	●	●	●		●	●	●	●		●	●	●		●	●	●	●	●			●	●	●	●		●		●	●	●			
DOE	A-39	Electric & Hybrid Vehicle Market Demonstrations	●			●		●	●			●	●	●		●	●	●	●			●		●		●	●	●			●		●	●		●		●	●		●	●	●	●			●		●	●						●	●		
DOE	A-42	New Car Fuel Economy Information Program	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-46	Ridesharing Technical Assistance	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-49	Voluntary Truck & Bus Fuel Economy Program	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOE	A-53	Energy Extension Service (EES)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOE	A-57	Local Government Conservation Programs	●	●		●	●	●	●	●	●	●	●	●		●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
DOE	A-59	Grant Program for Schools and Hospitals	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOE	A-61	State Energy Conservation Program	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

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EXHIBIT 3. (continued)

Agency	Page No.	Program Name	Alabama	Alaska	American Samoa	Arizona	Arkansas	California	Colorado	Connecticut	Delaware	District of Columbia	Florida	Georgia	Guam	Hawaii	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Mariana Islands	Maryland	Massachusetts	Michigan	Minnesota	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio	Oklahoma	Oregon	Pennsylvania	Puerto Rico	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Trust Territory of the Pacific Islands	Utah	Vermont	Virgin Islands	Virginia	Washington	West Virginia	Wisconsin	Wyoming
DOE	A-65	Appropriate Technology Small Grants Program	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-67	Market Development Programs	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•	•	•
DOE	A-70	Regional Solar Energy Centers (RSEC's)	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•
DOE	A-75	DOE Solar Energy Information Data Bank (SEIDB)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-81	Faculty Development Program	•			•	•	•	•	•			•	•		•		•	•	•	•	•		•		•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•
DOE	A-83	Materials Development Program	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-85	Post-Secondary Energy-Related Education & Training	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-87	Pre-Freshman Engineering Program (PREP)	•			•		•										•	•											•						•	•	•	•		•			•			•			•						•		•	
DOE	A-89	National Energy Information Center	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-91	Univ./Laboratory Cooperative Program	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-93	Audio-Visual Branch	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•	•	•
DOE	A-96	Public Presentations Branch	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•		•	•	•	•	•
DOE	A-99	Press Services Program	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•	•	•
DOE	A-101	Publications Branch	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-105	Special Programs	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DOE	A-107	Geothermal Energy	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•			•	•			•	•	•	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•	•		•			•	•	•		•
DOE	A-113	Technical Information Program	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ACTION	A-117	Retired Senior Volunteer Program (RSVP)	•					•	•		•		•	•			•	•	•	•	•		•	•			•	•	•	•	•	•	•		•	•	•	•	•	•	•	•		•				•	•	•		•	•		•	•		•	•
ACTION	A-120	Volunteers in Service to America (VISTA)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ACTION	A-122	Energy Conservation					•	•																•			•		•		•							•								•			•			•							
USDA	A-124	Cooperative Extension Service (CES)	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•

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EXHIBIT 3. (continued)

Agency	Page No.	Program Name	Alabama	Alaska	American Samoa	Arizona	Arkansas	California	Colorado	Connecticut	Delaware	District of Columbia	Florida	Georgia	Guam	Hawaii	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Mariana Islands	Maryland	Massachusetts	Michigan	Minnesota	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio	Oklahoma	Oregon	Pennsylvania	Puerto Rico	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Trust Territory of the Pacific Islands	Utah	Vermont	Virgin Islands	Virginia	Washington	West Virginia	Wisconsin	Wyoming
USDA	A-129	Forest Biomass Energy Program	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●
DOC	A-132	Professional Services Program											●	●			●	●						●			●	●		●								●		●		●		●			●			●								●	
DOC	A-134	Technical Assistance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOC	A-138	Energy Projects Outreach	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●
DOC	A-139	National Sea Grant College Program	●	●				●		●	●		●	●	●	●							●	●		●	●	●	●	●					●	●		●	●		●		●		●	●	●			●	●				●	●		●	
CSA	A-144	Emergency Energy Conservation Services	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
CSA	A-147	Consumer Protection and Education	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
D. OF ED.	A-148	Energy and Education Action Center	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
EPA	A-151	Environmental Aspects of Industrial Energy Cons.	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
EPA	A-154	Resource Recovery Implementation Program	●	●		●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DHHS	A-157	Grants for State & Community Programs on Aging	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DHHS	A-162	Division of Energy Policy and Programs (DEPP)						●											●		●					●	●										●		●		●			●						●						●			
HUD	A-169	Community Development Block Grants (CDBG)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HUD	A-173	Urban Development Action Grants (UDAG)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●
HUD	A-175	Indian Housing		●		●		●	●	●			●				●			●	●		●	●				●	●	●		●	●	●			●	●	●	●		●	●					●		●		●				●		●	●
HUD	A-177	Low-Rent Public Housing	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●
HUD	A-179	Multifamily Housing - Held-Owned											●	●												●											●	●		●															●				
HUD	A-181	Community-Based Energy Conservation Division	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HUD	A-183	Product Dissemination and Transfer	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
HUD	A-186	Solar Heating & Cooling Demonstration Program	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●
NASA	A-191	Technology Utilization Program	●	●		●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●

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EXHIBIT 3. (continued)

Agency	Page No.	Program Name	Alabama	Alaska	American Samoa	Arizona	Arkansas	California	Colorado	Connecticut	Delaware	District of Columbia	Florida	Georgia	Guam	Hawaii	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Mariana Islands	Maryland	Massachusetts	Michigan	Minnesota	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio	Oklahoma	Oregon	Pennsylvania	Puerto Rico	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Trust Territory of the Pacific Islands	Utah	Vermont	Virgin Islands	Virginia	Washington	West Virginia	Wisconsin	Wyoming
NSF	A-193	Intergovernmental Programs	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●
SBA	A-197	Technology Assistance Program	●	●		●	●	●		●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●		●	●	●	●		●	●		●	●			●	●		●	●	●	
TVA	A-199	Energy Management and Conservation Program	●											●								●								●									●										●						●				
TVA	A-202	The Super Saver Electric Home Program	●											●								●								●									●										●						●				
TVA	A-205	TVA's Heat Pump Financing Plan	●											●								●								●									●										●						●				
TVA	A-209	TVA's Home Insulation Program	●											●								●								●									●										●						●				
DOT	A-212	Technology and Knowledge Sharing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOT	A-214	Operation C.A.R.E. Corporate Outreach	●	●		●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●		●	●		●	●	●	●	●
DOT	A-218	Ridesharing Program	●					●	●	●			●	●				●	●	●		●				●	●	●	●	●			●			●			●		●		●	●						●					●	●		●	

CHAPTER IV

THE FEDERAL PLAN FOR COORDINATING ENERGY EDUCATION, EXTENSION, AND INFORMATION IN FY 1981

During FY 1980, it became clear that the Federal Government's overall energy conservation efforts have been effective. In the six years after the Arab oil embargo total energy consumption increased only six percent compared to an increase of 29 percent in the six years prior to the embargo. Motivated by rising energy costs and substantial Federal tax credits, individuals, businesses and other institutions have, and are continuing to, undertake major energy conservation efforts. Decontrol of oil prices and continuation of tax credits can be expected to accelerate these trends.

Some Federal conservation programs are, therefore, no longer necessary, while others may impede private initiative by imposing too great a regulatory burden on the public. Beginning in FY 1981, program reductions are proposed for the three types of conservation programs conducted by the Department of Energy: technology development, regulation and information, and financial assistance to State and local governments.

To achieve these policy changes, appropriate adjustments to the FY 1981 and FY 1982 budgets have been proposed. These changes will affect dramatically both the number of energy outreach programs and the costs of these programs in future years. In FY 1981, DOE has the statutory responsibility to coordinate these information activities, as mandated by both the National Energy Extension Service Act and the Energy Security Act.

The major thrust of the FY 1981 plan is directed at improving the management and coordination, and evaluation of Federal energy outreach activities, by building on efforts undertaken in FY 1980 in these areas. The framework within which the coordination will be effected consists of the Principles for Coordinating and Managing the Federal Energy Outreach Program, first presented in last year's CPP.

The principles, and current and planned activities related to management and coordination, and evaluation are intended to provide guidance to individual outreach program managers. Because these outreach programs are so diverse with regard to audiences, objectives and services, the coordination task must be developed and implemented on a program by program basis, and accomplishments measured accordingly. This guidance will be transmitted to Federal program managers through the following mechanisms:

- Conservation and Renewable Energy Information Steering Committee
- Interagency Information Coordination Working Group
- CPP

Feedback on coordination activities will be obtained through meetings of the above organizational entities.

Management and Coordination

As the Federal energy outreach effort has expanded to meet energy-user needs for education, extension, and information services, management and coordination have been continuing problems. DOE has taken several steps to solve these problems.

The Office of Conservation and Renewable Energy (CE) has made significant progress in improved program management. As part of a major reorganization, the Deputy Assistant Secretary for State and Local Assistance Programs now has the major DOE assistance programs under his control. This reorganization also included:

- Establishing one technical assistance office to serve all state and local assistance programs.
- Establishing one office to manage both EES and SECP programs.

DOE has taken several steps to ensure better coordination among Federal energy outreach activities. EES is the focal point for outreach coordination in the States. Through State governments, EES develops, provides, evaluates, and shares information on decentralized, focused, and innovative Federal outreach services to target audiences.

At the Federal level, DOE chairs an interagency working group on the annual development of this document, the CPP. In past years, members of the working group have met only to provide information for, and review drafts of, the CPP. Beginning in 1981, DOE will convene the interagency working group to share information on outreach experiences; to develop common program evaluation approaches; to develop and agree on specific ways to ensure that each agency's activities are consistent with the principles for coordinating and managing energy outreach programs; and to discuss ways the private sector can meet their own energy outreach needs. The working group will be chaired by DOE.

Also at the Federal level, DOE is coordinating the development and dissemination of information to the public on conservation and renewable resources. The Assistant Secretary for CE has established the Conservation and Renewable Energy Information Steering Committee. The members are the CE Deputy Assistant Secretaries and the Director of the Office of Policy Planning and Evaluation. The Steering Committee is the focal point, within CE, for policymaking on information gathering, packaging, and dissemination activities. The Committee establishes goals and objectives for information activities; reviews proposed budgets for new or existing information programs;

reviews and approves information program audit and evaluation plans; reviews and advises on the results of information program audits; reviews and approves proposals for new activities or revisions to current information activities; and acts as a forum for the discussion and resolution of organizational conflicts over information activities. While the Committee focuses only on programs within CE, it will bring appropriate issues before the interagency working group for discussion and resolution.

On October 2, 1979, EES held a public meeting on coordination between the private sector and EES. While this public meeting focused only on that outreach activity, many of the comments received seem to apply to energy outreach activities in general. Based on these comments, this CPP contains five principles for energy outreach program managers to follow in coordinating their program activities and avoiding conflict with the private sector in service delivery.

(1) Federal agencies will look to existing networks of private organizations and associations, exploring ways to make energy outreach programs more visible and seeking their assistance in disseminating outreach materials and information.

(2) Outreach program managers will help the private sector recognize the energy and cost savings to be realized by participants in Federally sponsored activities.

(3) In order to lessen private sector concerns about unfair competition by the Federal Government in energy outreach, program managers will publicize clearly what Federal agencies will do, the services they offer, and what they will not do.

(4) When conflicts with the private sector occur, program managers will try to reduce them through open discussion and a mutually acceptable effort to resolve them.

(5) In order for their services to be credible to the private sector, outeach program managers will ensure that competent professionals carry out those services.

Evaluation

Major differences among outreach approaches restrict the application of one common evaluation methodology for all programs. Still, there are some common questions which each evaluation--as appropriate--seeks to answer:

- What are the specific objectives of the outreach activity?
- What kinds of services were delivered, to whom, and at what cost?
- What changes in knowledge, attitude, behavior, or action did the services cause by target audiences?
- What were the results in terms of increased energy efficiency, fuel savings, adopting of new energy technologies, or other appropriate criteria? Were these results obtained in a cost-effective manner by these programs?
- What casual relationships exist between program activities taken (or not taken) by program clients?

Federal energy outreach activities have been criticized because they lack effective evaluation to determine how well they are achieving their objectives and contributing to a reduction in the use of scarce fuels and a switch to renewable resources. While some activities have had effective evaluation efforts, most have not.

Perhaps the most extensive ongoing evaluation of outreach services has been of the EES program. There was an extensive evaluation of the two-year pilot program (in 10 states) by both DOE and many of the states. Evaluation of the nationwide program (57 states and jurisdictions) continues--mainly to determine the cost effectiveness of programs and what seems to work best, and why. The EES evaluation has been a model for other programs. The State Energy Conservation Program completed its evaluation. The Schools and Hospitals Program and the Solar Energy Information Data Bank Program have initiated evaluation efforts.

DOE's Office of Conservation and Renewable Energy is developing an overall evaluation plan for all its programs. The plan will provide guidance to program offices in conducting program or project-specific evaluations. The guidance will follow DOE's Planning, Programming and Budgeting (PPB) elements (which include outreach).

The DOE Office of Policy, Planning and Analysis (formerly Office of Policy and Evaluation) is now evaluating conservation information programs in terms of behavioral responses. Looking at residential, commercial, transportation, and industrial sectors, the evaluation goal is to identify those factors which motivate energy consumers to take conservation actions in response to information programs. The evaluation results will indicate why consumers react as they do to information programs and how these programs can be designed to achieve greater program effectiveness. DOE will share and discuss the results of these efforts with the interagency working group.

In summary, in FY 1981 DOE intends to implement this plan to coordinate its own information dissemination activities, with similar or related activities and services of other Federal agencies.

APPENDIX A

FEDERAL ENERGY EDUCATION, EXTENSION, AND INFORMATION ACTIVITIES: INFORMATION SHEETS

This appendix provides detailed information about each of the Federal energy outreach activities surveyed. Included for each activity are objectives, an overall description, target audiences, service delivery mechanisms, FY 1979, and FY 1980 budget appropriations, and the name of a person who can be contacted for additional information. The activity descriptions appear in this Appendix in the same order as in Exhibit 1. Unless otherwise indicated, the budget figures do not include Federal personnel costs, and refer to appropriations rather than to budget outlays. The term "not available" is used in the cases where budget estimates were not possible.

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Appliance Label Consumer Education Program

CONTACT: Jean Pruitt Tel: (202) 252-9436
Program Manager
Office of Buildings and Community Systems
Conservation and Solar Energy
Department of Energy, MS GH-065
1000 Independence Ave., S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To inform consumers of existence of appliance labels
- To tell consumers how to use labeling information
- To evaluate effectiveness of labeling program

Objectives of energy outreach component:

- To teach consumers how to save money in reduced utility bills by selecting the more efficient major appliance initially
- To save energy for the nation by reducing our dependence upon foreign oil

DESCRIPTION OF PROGRAM:

- Nationwide consumer education program mandated by the Congress to "educate consumers with respect to estimated annual operating costs of major appliances and how comparative shopping for these products can save energy for the nation"

Energy outreach services:

- Publications and materials:
  - Consumer worksheet
  - Consumer fact sheet
  - Consumer brochure (Fall 1980)
  - Retailer training (Fall 1980)

- Exhibits and audiovisual displays:
  - Slide/script presentation
  - Library exhibit
  - Large conference exhibit
  - Appliance computer display
  - Pop-up units in each regional office
  - Press kits sent to energy fairs, etc.
  - Media presentations

- Curriculum development:
  - Education packet for secondary Home Economics teachers (August 1980)
  - Retailer Training Program (Fall 1980)

- Workshops, seminars, and conferences:
  - 10 Regional Workshops sponsored by DOE (Fall 1979)
  - American Home Economics annual meeting, Dallas (July 1980)

- Grants - American Women in Radio and TV (July 1980)

TARGET AUDIENCE(S):

- General public - Families, metropolitan and suburban counties

- Residential - Owners of single-family dwellings

- Business and industry (general) - Appliance manufacturers; foreign industries that manufacture appliances for import into the U.S.

- Small commercial and industrial firms - Small manufacturers of major appliances

- Local government - Consumer protection offices of local governments

- State government - State Attorney General's office

- Federal government - Consumer Information Center submitted publications for review

- Agriculture - USDA Cooperative Extension Service, USDA Rural Electrification Administration

- Trade and professional groups:
  - Association of Home Appliances Manufacturing
  - American Refrigeration Institute
  - American Home Economics Association

- Teachers and/or students - Secondary Home Economics teachers, Consumer Education teachers, college instructors on household equipment
- Community and other nonprofit groups - Consumer protection offices
- American Women in Radio and TV
- Society of Consumer Affairs Professional in Business

DELIVERY MECHANISMS:

- USDA Cooperative Extension Service
- USDA Rural Electrification Administration
- Energy Extension Service, DOE
- State energy offices
- DOE regional offices
- State Attorney General's offices
- Secondary Home Economics teachers
- Consumer protection offices

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- 44,000 education packets for Home Economics teachers in secondary schools for fall curriculum planning (August 1980)
- 3,000 library exhibits distributed to libraries, schools, consumer-related offices, regional DOE offices (August 1980)
- 10 regional appliance workshops in Fall 1979 for educators, manufacturers, industry, consumer protection officers, and press
- Hundreds of print articles in newspapers across the U.S.
- TV shows related to appliance labeling in 20 cities
- 50 radio features on appliance labeling aired
- Approximately 3,000 worksheets sent upon written request
- 1,000 appliance labeling workbooks sent upon request
- 500 slide/script sets distributed upon request

- 1 public service message for CBS/FM radio aired repeatedly during cooling season

- 1 consumer fact sheet produced

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$ 495,000	$ 200,000
FY 1980	$ 900,000	$ 900,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Comprehensive Community Energy Management Program (CCEMP)

CONTACT: Mr. Jake Kaminsky Tel: (202) 252-9393
Office of Buildings and Community Systems
Conservation and Solar Energy
Department of Energy, MS 1H-031
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To develop local governments' capabilities to coordinate public and private efforts in order to conserve energy and convert to renewable sources
- To analyze differing institutional arrangements for local energy management
- To develop planning and management methods and disciplines
- To demonstrate variations in energy management programs appropriate to different sizes, etc.
- To keep abreast of new developments in energy management and share information with participants and the Clearinghouse

Objectives of energy outreach component:

- Transfer of information from CCEMP communities
- Research and methods development
- Wide-scale application and support

DESCRIPTION OF PROGRAM:

- CCEMP is a research activity initiated in 1978.
- Sixteen communities were selected from 116 proposals.
- A variety of community sizes are represented in the program (five small, three medium, and two large), as well as three counties and three regional agencies.

Energy outreach services:

- Publications and materials - Pamphlets, articles, progress reports, status reports, position papers, newsletters, progress reports, guidebook, reports from the 16 communities, topical reports
- Exhibits and audiovisual displays
- Workshops, seminars, and conferences - Public meetings, presentations to groups, workshops every several months, community impact surveys
- Beginning in October 1978, 22 communities of varying sizes, governmental forms, economic bases, geographical regions, climates and energy supply situations were selected to test and demonstrate the preparation of energy management programs.
- Limited technical assistance is provided to communities for their program development and evaluation activities.
- As part of their effort, 22 communities conduct a community energy audit to inventory their present and projected energy supply and demand, formulating energy conservation objectives, and generating and evaluating energy conservation alternatives.
- Grants have been provided to the 22 communities for their participation in the program.

TARGET AUDIENCE(S):

- Communities, public interest groups, professional associations, residential, business

DELIVERY MECHANISMS:

- Public interest groups and professional organizations such as National League of Cities, Conference of Mayors, International City Management Association, Urban Land Institute, and the American Planning Association
- Regional energy agencies

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Establishment of a continuing process of program information dissemination through professional public interest organizations
- We are in the process of developing an audiovisual presentation package on energy-efficient development for dissemination.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Measuring energy savings
- Measuring program effectiveness and community needs through feedback from communities

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach*
FY 1979	$4,500,000	-0-
FY 1980	$3,700,000	$500,000

*No outreach activities prior to FY 80

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems,
Conservation and Solar Energy

PROGRAM NAME: Energy Partnership for American Cities (EPAC)

CONTACT:
Floyd J. Collins Tel: (202) 252-9395
Program Manager, Small Business
Department of Energy, MS 1H-031
1000 Independence Ave., S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- Conserve a significant amount of energy quickly
- Assist owners of small and medium-sized commercial buildings

Objectives of energy outreach component:

- To create a partnership between public and private members of the community to organize and implement a local small business assistance program and to establish an atmosphere of support and acceptance for energy management.

DESCRIPTION OF PROGRAM:

Description of overall program:

- Federally orchestrated conservation program welding together the private and public sectors to audit and retrofit small and medium-size commercial buildings

Description of energy outreach component:

(Not DOE functions; grantee implements)

- Professional consulting engineer, accompanied by retrofit contractors, conducts one-day energy survey of small or medium-sized commercial building for a nominal fee.
- Engineer provides owner with written report listing modifications that could be made that could result in measurable energy reductions
- Follow-up by coordinator to monitor and encourage retrofit action, ending with the energy savings evaluation

Energy outreach services:

- Curriculum development - Case study being developed to serve as an example of business leadership in a local conservation effort by the Greater Washington Board of Trade
- Workshops, seminars, and conferences

TARGET AUDIENCE(S):

For overall program:

- Small businesses

For energy outreach component:

- Business and industry (general)
- Small commercial and industrial firms
- Trade and professional groups
- Small business
    - Women in business
    - Minority business

DELIVERY MECHANISMS:

- Local chambers of commerce or similar groups

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Not Available	Not Available
FY 1980	Not Available	Not Available

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Fuel Oil Conservation Marketing Program

CONTACT: Wayne Gathers Tel: (202) 252-9436
Office of Buildings and Community Systems
Conservation and Solar Energy
Department of Energy, Room 1H-087
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To motivate consumers to request furnace efficiency tests and appropriate furnace modifications, and to instruct fuel oil dealers in conservation technical and marketing skills

DESCRIPTION OF PROGRAM:

- Develops paid advertising component aimed at consumers and funds State energy offices to work with local oil dealer associations to develop and carry out training programs

Energy outreach services:

- TV, radio, newspaper advertisements, and direct mail campaign
- Oil dealer training in each State
- Workshops, seminars, and conferences for participating oil dealers
- Grants to States that are heavily dependent on fuel oil

TARGET AUDIENCE(S):

- Fuel oil dealers and their customers
- Residents in Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, and Wisconsin
- Fuel oil dealer associations

DELIVERY MECHANISMS:

- Fuel oil dealers

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Established programs in seven States in 1979-1980

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$3,848,000	$3,848,000
FY 1980	$3,192,500	$3,192,500

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Low Cost/No Cost Program (LC/NC)

CONTACT: Valerie Donovan Tel: (202) 252-9436
Program Manager
Office of Buildings and Community Systems
Conservation and Solar Energy
Department of Energy, MS 1H-075
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To inform homeowners of 11 significant but inexpensive actions which will save 25% of their residential energy consumption

DESCRIPTION OF PROGRAM:

- Direct distribution to all area households of LC/NC brochure and flow controller in three-week period
- Paid media support (TV, radio, print) and PSA's
- Public awareness program by local officials, press conferences, editorials, private sector support

Energy outreach services:

- Publications and materials - Low Cost/No Cost brochure, flow controller; direct mail to all area households
- Exhibits and audiovisual displays - Shower head display
- Technical assistance - Provide sample materials to develop local Statewide programs

TARGET AUDIENCE(S):

For overall program:

- Residential

For energy outreach component:

- General public
- Residential
- Business and industry (general) - As program to sponsor in community
- State government - As program to sponsor locally
- Community and other nonprofit groups - As program to sponsor

DELIVERY MECHANISMS:

- Direct mail
- Money for program must be raised from private sector

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Completed program in six States (Massachusetts, Connecticut, Maine, New Hampshire, Rhode Island, Vermont) in November 1979; DOE sponsored

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- Measuring client response to the outreach services provided
- Low Cost/No Cost evaluation report now available

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$2,600,000	$2,600,000
FY 1980	$ 300,000	$ 300,000

*Personnel costs not included

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Program Support Branch

CONTACT: Nancy Fanning Tel: (202) 252-9452
Office of Buildings and Community Systems
Conservation and Solar Energy
Department of Energy, Room 1H-031
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- Development and implementation of Office-wide marketing, commercialization, technology transfer, and technology assessment programs
- Responsible for the review and coordination of the Office's technology and commercialization activities and provision of response to Congressional and other inquiries of BCS-related programs

DESCRIPTION OF PROGRAM:

- Coordinates the development of communication vehicles directed toward providing relevant information to specific target audiences

Energy outreach services:

- Publication of technical reports as well as non-technical materials
- Exhibits for trade shows, energy fairs, shopping centers and libraries
- Energy management programs
- Exhibits and audiovisual displays
- Workshops, seminars, and conferences
- Technical training programs
- Technical assistance through Federal and non-Federal networks

TARGET AUDIENCE(S):

- General public
- Building industry
- Business and industry (general)
- Local, State, and Federal government
- Trade and professional groups
- Teachers and students
- Educational and research institutions
- Community and other nonprofit groups

DELIVERY MECHANISMS:

- DOE
- Other Federal agencies (i.e., HUD and USDA)
- Consumer and public interest groups
- State and local governments
- Trade and professional associations

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Consumer Education Pilot Outreach Program (League of Women Voters Education Fund)
- Technology Transfer Marketing Workshops (Building trade and professional associations)
- Energy Management Manual/Workshops/Data Collection - Analysis Program for college facilities
- Training material for homebuilder audience
- Energy Management Training Material & Workshops for cultural institutions
- Publishes and disseminates fact sheets on specific technologies and BCS demonstration and legislative programs

- Published and disseminated "Energy Wise Home Buyers Guide" with HUD
- Participates in major trade building show expositions
- Developed and displayed home weatherization exhibits for local energy fairs, shopping centers, and libraries

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Measuring outreach activities and their costs on an individual basis
- Participating in the evaluation of the Energy Extension Service program

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$1,200,000	$1,200,000
FY 1980	$2,500,000	$2,500,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Conservation and Solar Energy
Buildings and Community Systems
Community Services Branch

PROGRAM NAME: The President's Clearinghouse for
Community Energy Efficiency (PCH)

CONTACT: George Chaconas Tel: (202) 252-9421
Program Manager
Department of Energy, MS 1H-031
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- The initial conception of the program was as a telephone "hotline" to provide energy use information to and among local government officials. Since then, a myriad of procedural and operational changes occurred, as would be expected in a new dynamic program. For example, the program has rapidly extended to other persons, and at present only 41% of telephone calls are from local officials. Such changes, which were imposed on the system by outside factors, have led to system evolutions which are productive and positive. As currently operating, the PCH aims at four primary objectives:

    - To provide current and useful energy use information to communities

    - To provide for an exchange forum among communities regarding energy use

    - To provide for the professional development of local officials

    - To provide an effective feedback system on community concerns to the program U.S. Department of Energy (DOE)

DESCRIPTION OF PROGRAM:

- Provides a toll-free hotline number for use by local government officials and others to request and/or share information on energy conservation

- Maintains publications and provides a mechanism for information exchange on program activities which may merit adaptation elsewhere

- Provides for the exchange of information on Federal and other government activities as they relate to energy conservation through briefings by Federal program managers and others knowledgeable on conservation policy and programs

- Provides information dissemination from other Federal agencies (e.g., HUD and DOT) on select topic areas

Energy outreach services:

- Publications and materials
- Briefings
- Technical support

TARGET AUDIENCE(S):

- Primary - Local government officials
- Secondary - Representatives of community groups, coalitions, and private citizens, which include public interest groups, businesses, public utilities, and educational institutions

DELIVERY MECHANISMS:

- Hotline - Trained operators and resident local officials respond to calls from local officials and others
- Publications - On various aspects of energy conservation distributed to inquirers upon request

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Since September 1979, The Clearinghouse has responded to more than 6,700 calls and 2,200 letters on various energy topics.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- An Evaluation Report of The President's Clearinghouse for Community Energy Efficiency was completed in July 1980.
- The evaluators have arrived at both general and specific conclusions and recommendations. General conclusions address how the current program is operating and suggest a major reevaluation of the tasks and procedures that will be undertaken by the PCH. Specific conclusions identify procedural and operational changes that may increase the efficiency, effectiveness, and accountability of the program as currently operating.

- Overall, the evaluators have concluded that, given the dynamics of the program, it is effectively meeting most of its objectives. The highest degree of effectiveness occurs in Objective Three, with Objectives One and Two close behind.

BUDGET:*

	Contractor Support	Public Interest Group Support
FY 1979	$ 28,238	$100,000
FY 1980	$677,592	$317,135

*Personnel costs are included, and costs are estimates prorated to cover actual period of service from September 17, 1979, through December 31, 1980.

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Residential Conservation Service Program (RCS)

CONTACT: James R. Tanck Tel: (202) 252-9161
Building Conservation Services Division
Office of Buildings and Community Systems
Conservation and Solar Energy
Department of Energy, Room GH-068
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To identify and encourage installation of energy conservation and renewable resource measures in private residences

DESCRIPTION OF PROGRAM:

- Requires major regulated and nonregulated electric and gas utilities to offer on-site energy audits to their residential customers, to identify applicable energy conservation and solar energy measures; to estimate the costs and savings likely to result from implementation of these measures; to provide lists of suppliers, contractors, and lenders; and to offer to arrange for installation and financing of recommended measures. States may prepare plans governing the operations of RCS programs by regulated utilities and may also cover nonregulated utilities and home heating suppliers that choose to participate. DOE will enforce utility companies with Federal RCS Plans in cases where no State Plan is approved.

- Requires utilities and home heating suppliers to charge their customers for the cost of installation rather than include the costs in general utility rates

- Participating utilities are required to distribute to their residential customers every two years a program announcement to include recommended energy saving practices and measures and estimates of potential resulting energy savings appropriate to their homes; the communication also will advise customers of the opportunity to request an on-site audit of their dwellings and will include an offer of other program services. The utilities are also required to provide lists of participating suppliers, installers, and lenders, and assistance in arranging for purchase and installation of recommended measures. The brochure will describe customer benefits and indicate the costs associated with the available services.

Energy outreach services:

- Publications and materials - Model audit, programmatic fact sheets, and planning guides
- Curriculum development - Model auditor training curriculum, available September 1980
- Workshops, seminars, and conferences - Periodic meetings with States and nonregulated utilities
- Technical assistance - Assistance in program planning and implementation marketing
- Energy audits - Model audit available on request

TARGET AUDIENCE(S):

- Residential - Eligible customers of major covered utilities
- Business and industry (general) - Manufacturers, suppliers, and installers of energy conservation and renewable resource measures
- State government - Any State that chooses to prepare and implement an RCS plan

DELIVERY MECHANISMS:

- Major gas and electric utilities
- Home heating suppliers

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- State and nonregulated utility plans reviewed and approved by DOE, summer of 1980
- Utilities required to initiate program within six months of plan approval

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Measuring outreach activities or services and their costs
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources
- Measuring client response to the outreach services provided

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	-0-	-0-
FY 1980	$5,200,000	$2,500,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Small Business Energy Cost Reduction Program

CONTACT: Jane Miller Tel: (202) 252-9413
Program Manager
Small Business
Department of Energy, MS 1H-031
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To provide information and assistance that will:
  - Reduce energy costs for small businesses
  - Reduce the rate of growth of energy use by small businesses

Objectives of energy outreach component:

- To disseminate and transfer information and cost-beneficial conservation techniques to small business owners

DESCRIPTION OF PROGRAM:

Description of overall program:

- In conjunction with trade association co-sponsors, the Cost Reduction Program develops sector-specific guidebooks for small business owners. The guidebooks detail cost-effective energy conservation actions recommended following detailed energy audits of representative firms in each sector.

Description of energy outreach component:

- Distribution of guidebooks through trade associations and to SBA, State energy offices, and energy extension services; upon request to public entities

- Train EES trainers to present workshops

- Conduct demonstration workshops for trade associations to determine level of interest in various sectors

Energy outreach services:

- Publications and materials - Guidebooks that focus on individual small business sectors constitute the program's dominant means of technical assistance. The guidebooks are based on actual energy audits and analyses of representative firms in each sector.
- Exhibits and audiovisual displays - For five sectors being studied now, slide/tape presentations are being developed. The 5 sectors are: (1) plywood and veneer manufacturing, (2) plastics production, (3) frozen foods, (4) scrap iron and steel, and (5) private nursing homes.
- Workshops, seminars, and conferences - We will train trainers or help plan 1-2 workshops to test feasibility.
- Technical assistance

TARGET AUDIENCE(S):

For overall program:

- Small business owners

For energy outreach component:

- Small commercial and industrial firms - Nationwide
- State government - As a mechanism for reaching small business owners
- Trade and professional groups - Co-sponsors of Cost Reduction Program

DELIVERY MECHANISMS:

- Trade associations
- State energy extension services
- State energy offices

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- 13 guidebooks distributed to members of 12 trade associations
- Association-sponsored workshops conducted
- Trained 3,000 SCORE volunteers

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Not Available	Not Available
FY 1980	$350,000	$350,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Buildings and Community Systems
Conservation and Solar Energy

PROGRAM NAME: Intergovernmental Small Business Energy Management Demonstration Program

CONTACT: Jane Miller Tel: (202) 252-9413
Program Manager
Small Business
Department of Energy, MS 1H-031
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To determine the efficacy of delivering conservation services to small business through local governments (with Innovation Group support)
- To transfer experience to other local governments

Objectives of energy outreach component:

- To test a variety of mechanisms for providing technical assistance to small business owners

DESCRIPTION OF PROGRAM:

Description of overall program:

- Grants have been awarded through four Innovation Groups to:
  - Ft. Lauderdale (single-city)
  - Texas Innovation Group (statewide)
  - New England Innovation Group (multi-state)
  - Public Technology, Inc. (nationwide)
- 13 localities will design, develop and implement conservation programs for small businesses, utilizing a variety of public and private organizations to respond to their individual needs, circumstances and opportunities
- Two-year demonstration

Description of energy outreach component:

- Will vary by locality
- Local program plans not yet complete

Energy outreach services:

- Will vary by locality
- Local program plans not yet complete

TARGET AUDIENCE:

For overall program:

- Small business owners/managers

For energy outreach component:

- Small business owners/managers

DELIVERY MECHANISMS:

- Local governments, through a wide variety of local organizations, both public and private

BUDGET

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	-0-	-0-
FY 1980	$436,000	$350,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Industrial Programs,
Conservation and Solar Energy

PROGRAM NAME: Energy Analysis and Diagnostic Centers (EADC)

CONTACT: David J. Hoexter Tel: (202) 252-2392
Program Manager
Office of Industrial Programs
Conservation and Solar Energy
Department of Energy, MS 2H-086
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To assist small and medium-sized industrial firms in improving energy efficiency
- To develop quantitative information on energy savings and financial returns achieved through the implementation of specific recommendations
- To provide training for graduate and undergraduate engineering students in energy management and energy problem solving in industrial facilities
- To encourage curriculum development in energy management in schools of engineering

DESCRIPTION OF PROGRAM:

- Industrial firms contact the Diagnostic Center and schedule an audit. Fuel and utility bills are provided as background data. The EADC team then conducts a half-day visit and takes additional measurements of energy use. The data are analyzed, and a report is sent to the firm. The report contains specific recommendations to reduce energy use, estimates of energy savings and costs, and payback periods. A follow-up visit is conducted after a few months to determine which recommendations have been implemented. Engineering students assist in the collection and analysis of the data and in the preparation of the diagnostic report.

Energy outreach services:

- Publications and materials - The EADC's will assist in distributing technical reports, prepared by the Office of Industrial Programs, that are of general interest to the industrial community

- Curriculum development - The EADC provides the practical experience for students enrolled in energy management programs.
- Workshops, seminars, and conferences - Each EADC sponsors an annual workshop for all of the firms it has served. Their achievements in energy conservation are discussed, and an opportunity to exchange ideas is provided.
- Technical assistance - EADC's provide continuing assistance to firms that have general questions on the topic of energy conservation. Specific design or engineering questions are referred to the local A&E community.
- Energy audits

TARGET AUDIENCE(S):

For overall program:

- Small and medium-sized industrial firms

For energy outreach component:

- Small industrial firms - Located within about 100 miles of the University

DELIVERY MECHANISMS:

- The Energy Analysis and Diagnostic Centers are established at University schools of engineering and engineering experiment stations. Currently, EADC's are at the University of Pittsburgh, the University of Tennessee, and the Georgia Institute of Technology. Three additional centers were established in October 1980 at the University of Dayton, the Universty of Kansas, and Oklahoma State University.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Through December 1979, 190 firms in 20 industries had received assistance from the EADC's.
- Over 50% of the energy conservation opportunities identified have been implemented.
- Return on total investment (Federal plus private sector investment) on implemented energy conservation measures is calculated to be greater than 99%.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Evaluation of the EADC program is an ongoing effort. Implementation of energy conservation opportunities is the indicator of success, along with return on investment. Measurement of that implementation and return on investment is an integral part of the program.
- Measuring outreach activities or services and their costs
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources
- Measuring client response to the outreach services provided
- Measuring energy savings
- Return on investment

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$360,000	$360,000
FY 1980	$510,000	$510,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Industrial Programs, Conservation and Solar Energy

PROGRAM NAME: Industrial Energy Conservation Reporting Program

CONTACT: Ronald V. Santoro Tel: (202) 252-2455
Industrial Reporting Branch
Office of Industrial Programs
Conservation and Solar Energy
Department of Energy, 2H-085
1000 Independence Ave., S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To improve energy efficiency in terms of energy input per unit of output, and to monitor and report on progress of selected industrial groups toward achievement of energy goals
- Report on usage of recovered materials in selected industries
- To provide feedback to industrial corporations and associations on energy conservation achievements and methods that might have applications on a broader scale

Objectives of energy outreach component:

- Workshops are held to obtain input for new reporting forms and the standardization of reports
- Assistance is provided to trade associations and companies in developing energy management programs

DESCRIPTION OF PROGRAM:

- The program provides for the collection of energy efficiency improvement information from over 1,000 identified energy consumptive industries and from 2,500 additional voluntary participants. Trade associations and corporations are assisted in developing and carrying out energy conservation management activities.

Energy outreach services:

- Publications and materials - Annual report, Industrial Energy Efficiency Program

TARGET AUDIENCE(S):

- Business and industry (general) - Industrial manufacturing sector of the economy
- Trade and professional groups - Industry and trade associations

DELIVERY MECHANISMS:

- National trade associations
- Energy managers for major corporations

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Since the program was initiated, the industrial segments reporting have reduced energy use per unit of production by approximately 14% measured against 1972 as base year

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	-0-	-0-
FY 1980	-0-	-0-

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Industrial Programs
Conservation and Solar Energy

PROGRAM NAME: Technical Information Evaluation and Communications
Products Development

CONTACT: Tim Lankton Tel: (202) 252-2392
Office of Industrial Programs
Conservation and Solar Energy
Department of Energy, MS 2H-085
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To evaluate the relevance of information derived from work performed for and by Office of Industrial Programs to the needs and applications of industrial end users and other appropriate audiences
- To develop additional supplemental information necessary to enable industrial end users to determine the appropriateness of a technology to their particular applications
- To communicate such information to industrial end users in a format and context that will allow them to select the technology that is appropriate to their needs

DESCRIPTION OF PROGRAM:

- Reviews and evaluates technical results and reports, and prepares and disseminates the Technical and Executive Briefing Reports, Technology Application Reports, and Technical Applications Manuals
- Sponsors workshops, seminars, and symposia for specific industries

Energy outreach services:

- Publications and materials - Describing industrial energy conservation technologies
- Workshops, seminars, and conferences - Describing industrial energy conservation technologies

TARGET AUDIENCE(S):

- Industries producing agriculture goods
- Food processing and packing industries
- Petroleum refining and petrochemical industries
- Metal, glass, and cement industries and other industries producing construction materials
- Chemical industries
- State and local governments
- Trade and professional groups
- Education or research institutions

DELIVERY MECHANISMS:

- Trade assocations
- Trade publications
- Professional organizations

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- New program

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	-0-	-0-
FY 1980	$1,000,000	$1,000,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Transportation Programs
Conservation and Solar Energy

PROGRAM NAME: Driver Awareness Program

CONTACT: Darrell A. Beschen, Jr. Tel: (202) 252-8003
Office of Transportation Programs
Conservation and Solar Energy
Department of Energy, Room 5H-036
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To educate and motivate drivers to use fuel-efficient techniques and strategies in their automobile selection, operation, maintenance, and trip planning
- To provide motorists information that can be used to sustain their mobility while helping them cope economically with rising fuel prices
- To reach specific segments of the driving population with information tailored to their needs

DESCRIPTION OF PROGRAM:

- Demonstrates how motorists (fleet or individual) can increase fuel economy and reduce fuel costs at no additional expense and obtain concomitant increases in safety, reliability, and personal time
- Provides direct research on savings of specific operating techniques
- Develops literature and audiovisual materials on key subject areas
- Develops, markets, and disseminates driver fuel economy workshop/classroom materials and other information materials
- Manages the Driver Energy Conservation Awareness Training (DECAT) Program for DECAT instructors

Energy outreach services:

- DECAT instructor course
- Publications on fuel conservation, including monograph newsletters
- Stand-alone audiovisual materials
- Workshop resource materials
- Consultant services to DECAT programs

TARGET AUDIENCES:

- Drivers in organized groups, particularly employers, employees, civic and public interest groups, and students in virtually any type of driver, conservation, consumer, safety, or public education program. Includes:
- General public
- Business and industry (general)
- Local, State and Federal government
- Agriculture
- Transportation
- Trade and professional groups
- Teachers and students
- Health, education, and research institutions
- Community and other nonprofit groups

DELIVERY MECHANISMS:

- The program utilizes Driver Fuel Economy Workshops to inform motorists how to save money and fuel
- The program works through all Federal agencies, the Agricultural Extension Service, National Safety Council, American Driver and Traffic Safety Education Association
- People involved include fleet and transportation managers, safety and driving instructors, energy managers, and volunteer consumer groups

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Produced "Driving on Empty," a half-hour award-winning film, and "Gas Savers: Routes to Fuel Economy," a slide/tape show. Both are available for loan or purchase.
- Published Routes to Fuel Economy and Gas Savers (Implementation Handbook and reproducible materials)
- DECAT courses now available in selected sites across the U.S.
- Conducted 10 regional Teach-Ins in 1980

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Informal evaluation ongoing
- Measuring outreach activities or service benefits and their costs; client response to the outreach services provided; and energy savings

Completed:

- Driver Aid and Education Test Project DECAT Cost/Benefit Analysis completed

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$230,000 (est.)	$230,000 (est.)
FY 1980	$600,000 (est.)	$600,000 (est.)

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Transportation Programs
Conservation and Solar Energy

PROGRAM NAME: Electric and Hybrid Vehicle Market Demonstrations

CONTACT: Thomas Benson Tel: (202) 252-8034
Office of Transportation Programs
Conservation and Solar Energy
Department of Energy, MS 5H-079
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To identify, test, and prove market sectors wherein electric vehicles can perform functions now accomplished with petroleum-fueled vehicles
- To develop and provide the post-sales support structure necessary to maintain electric vehicles in practical operations
- To improve marketability of product through feedback from customers
- To stimulate production at levels allowing economies of scale and competitive unit cost
- To make the product highly visible so the potential customers can evaluate it
- To inform the public on the local, regional, and national levels about ongoing and future demonstrations and infrastructure development
- To provide specific recommendations regarding product improvement to manufacturers, suppliers, and R&D activities

DESCRIPTION OF PROGRAM:

- Selects by competitive procedures cost-sharing site operator participants in the Demonstration Projects from among commercial firms, automotive dealers, State and local governments, Federal agencies, and universities
- Under contract or agreement for a four-year period, the participating site operators acquire, through normal market processes, vehicles which satisfy DOE performance and safety standards for use in practical operations and/or for sale and lease.
- Participants also provide, as part of the cooperative venture, post-sales support systems to maintain vehicles in practical operations, provide data to DOE and manufacturers to improve vehicle acceptability and marketability, and provide local public awareness.

- DOE uses information developed to accomplish objectives listed above and to help new site operators profit from experience as well as to provide the basis for acquisition of capital financing to manufacturers and other entrepreneurs.
- In effect, the project works through the marketplace to assist in developing a self-sustaining industry capable of providing an alternative to petroleum-fueled vehicles.
- Informs companies with fleets, electric vehicle manufacturers, State and local governments, Federal agencies, media, financial institutions, insurance companies, vehicle operators, and the public of the performance of the demonstration vehicles.
- Network coverage in 4 major cities and coverage in 20 States.

Energy outreach services:

- 4,600 articles appeared in print, last 12 months; more than 36,000,000 readers exposed to EHV articles in June
- 12 university demonstrations based on cost-sharing grants
- Workshops, seminars, conferences, and press events
- 62 practical demonstrations underway
- Technical and logistical assistance, as well as data, are provided to vehicle and parts manufacturers and demonstration site operators
- Cost-sharing agreements with 17 Federal agency activities
- Cooperative cost-sharing agreements with State and local governments
- Cost-sharing contracts with 11 commercial firms operating demonstrations in 36 locations

TARGET AUDIENCE(S):

- Government officials, private sector fleet operators, dealers, vehicle and parts manufacturers, infrastructure entrepreneurs, R&D activities, financial and insurance institutions, utilities, media, and general public
- Individual citizens
- Business and industry (general)

- Local and State governments

- All transportation and support services for transportation

- Trade and professional groups - Financial institutions must be informed of program status to react as a source of capital for expansion of industry; insurance institutions need use data to determine statistical basis for rates

- Teachers and students

- Research activities

DELIVERY MECHANISMS:

- Cost-sharing contracts, agreements, and grants between DOE and operators of the demonstration vehicles

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- 75 demonstrations, contracts, or agreements

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- A systematic evaluation of the demonstration program is underway

BUDGET:

	Total	Amount for Energy Conservation Renewable Fuels Outreach
FY 1979	$12,240,000 (est.)	$12,240,000 (est.)
FY 1980	$10,057,000 (est.)	$10,057,000 (est.)

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Transportation Programs,
Conservation and Solar Energy

PROGRAM NAME: New Car Fuel Economy Information Program

CONTACT: Eldon R. Rucker Tel: (202) 252-8008
Office of Transportation Programs
Conservation and Solar Energy
Department of Energy, MS 5H-044
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To provide fuel economy information to prospective new car buyers by developing, printing, and distributing approximately 17 million Gas Mileage Guides each year to influence purchasers of new vehicles to buy more fuel efficient vehicles

Objectives of energy outreach component:

- To encourage the prospective automobile purchaser to buy more fuel efficient cars and light trucks

- To evaluate measures for improving consumer knowledge of the Government's fuel economy standards

- To evaluate the difference between actual in-use fuel economy and EPA's fuel economy estimates

- To report to Congress the impact of emission standards on fuel economy

DESCRIPTION OF PROGRAM:

Description of overall program:

- The major activity of the New Car Fuel Economy Information Program is to provide prospective new car purchasers with fuel economy information on all models of each automobile manufacturer's new car fleet. This is accomplished through the printing and distribution of approximately 17 million copies of the Gas Mileage Guide to the nation's 29,000 new car dealers and other interested organizations.

Description of energy outreach component:

- Provides prospective new car purchasers with fuel economy information for all models of new cars
- Provides evaluation of measures for increasing consumer knowledge of the Government's fuel economy standards
- Works closely with EPA and DOT on future fuel economy standards
- Encourages new car buyers to purchase more fuel efficient vehicles
- Assists DOT in enforcement of automobile dealers to display Guide
- Analyzes growing disparity between in-use fuel economy and EPA estimates

Energy outreach services:

- Publications and materials:
    - Print and distribute the Gas Mileage Guide to the approximately 29,000 new car dealers in the U.S.
    - Consumer-oriented public service announcements
    - Display of new car fuel economy Label

TARGET AUDIENCE(S):

For overall program:

- All prospective new car purchasers, including individuals, fleet purchasing agents, Federal fleets, and automobile car dealers

For energy outreach component:

- General public - All prospective new car purchasers in U.S.
- Business and industry (general) - All business and industry operating vehicle fleets in the U.S.
- Small commercial and industrial firms - All firms operating fleets of vehicles in the U.S.
- Local government - Influence local governments to purchase more fuel efficient vehicles
- State government - Influence State governments to purchase more fuel efficient vehicles in their fleets

- Federal governments - Federal fleet purchasers are directed to purchase more fuel efficient vehicles through Executive Order #12003.

- Transportation - All sectors operating fleets of vehicles in U.S.

- Trade and professional groups - Treated as prospective new car purchasers

- Teachers and/or students - Treated as prospective new car purchasers

DELIVERY MECHANISMS:

- The Program Office is responsible for the printing and distribution of the Gas Mileage Guide to the nation's new car dealers and other interested organizations. The Guide lists the fuel economy performance of each basic model year car, station wagon, van, light truck, etc., in terms of miles per gallon (mpg). New car dealers are required by law to prominently display the Guide in their showrooms. A fuel economy Label is also required, by law, to be displayed on each new car.

- The Program Office disseminates fuel economy information via radio and television public service announcements.

- Additional delivery mechanisms are accomplished through the following:

    - Department of Transportation (DOT)
    - Environmental Protection Agency (EPA)
    - State Energy, DOT, EPA Offices
    - TIC Distribution Center, Oakridge, Tennessee
    - New car dealers

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Printed and distributed approximately 17 million copies of the Gas Mileage Guide annually

- Established measurements that allow similar cars to be grouped in "comparable" car classes in the Gas Mileage Guide

- Collected and analyzed in-use fuel economy data on 1978 and 1979 model year vehicles

- Assisted the Environmental Protection Agency in preparing its report to Congress on the disparity between on-road fuel economy and EPA fuel economy estimates

- Accomplished objective to require automobile dealers to prominently display the Gas Mileage Guides in their showrooms and to display the fuel economy Label on each new car

- Worked with DOT and EPA in developing future fuel economy standards

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Analysis of in-use fuel economy data on 1979 model year cars
- Gas Mileage Guide evaluation analysis
- Printing and distribution of 1st Edition 1981 Guide
- Fleet Purchaser Assessment Outreach Program
- Analysis of consumer data on vehicle usage and record-keeping related to miles per gallon

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$1,045,000 (est.)	$1,045,000 (est.)
FY 1980	$1,130,000 (est.)	$1,130,000 (est.)

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Transportation Programs,
Conservation and Solar Energy

PROGRAM NAME: Ridesharing Technical Assistance

CONTACT: Lew W. Pratsch Tel: (202) 252-8012
Office of Transportation Programs
Conservation and Solar Energy
Department of Energy, MS 5H-044
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To increase use of commuter ridesharing, i.e., carpools, vanpools, and transit
- To eliminate institutional barriers to ridesharing
- To develop viable commuter ridesharing programs at all Federal employment sites
- To develop viable energy conservation contingency program

Objectives of energy outreach component:

- Encourage employers to establish commuter ridesharing programs
- Encourage employees to establish carpools and driver-owned and operated vanpools
- Work with insurance, finance, and leasing industries to improve vanpool opportunities

DESCRIPTION OF PROGRAM:

Description of overall program:

- Provides programs and technical assistance which are easy to duplicate, i.e., employer-sponsored vanpool programs and driver-owned and operated vanpools
- Vanpool commercialization, i.e., Hertz and Chrysler vanpool leasing and vanpool entrepreneurial activities

- Establish priority at the gas pump for vanpools in each State during gas shortages (effective March 1, 1980, DOE established vanpools as a priority mode, thus permitting States to take such action)

Description of energy outreach component:

- Publications, flyers, posters
- Movie
- Workshops
- Technical assistance

Energy outreach services:

- Publications and materials
- Exhibits and audiovisual displays
- Workshops, seminars, and conferences - Conducted 25 workshops for Federal agency employee transportation coordinators, and many State energy offices conducted workshops for employers.
- Technical assistance - Provide assistance to all levels of government, private, and public employers and commuters

TARGET AUDIENCE(S):

For overall program:

- Employers
- Trade groups
- Employees
- Insurance and finance industries

For energy outreach component:

- Business and industry (general)
- Local government
- State government
- Federal government
- Trade and professional groups

DELIVERY MECHANISMS:

- State energy offices
- Private employers - Ridesharing managers
- Individuals - Vanpool drivers and riders

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Vanpools doubling each year since oil embargo
- New Jersey State Energy Office largely responsible for making New Jersey one of the top three vanpool States
- Vanpool commercialization
  - Hertz established very favorable vanpool lease program
  - Obtained 100% vanpool financing from Riggs National Bank for driver-owned vanpools; now other banks are establishing similar programs
  - Improved vanpool insurance
- Developed first manual to assist drivers in establishing vanpools
- Developing program to assist SEO's in establishing vanpool gasoline priority system

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Documentation of Nation's vanpool growth

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$170,000 (est.)	Not Available
FY 1980	$170,000 (est.)	Not Available

*Does not include personnel costs

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Transportation Programs
Conservation and Solar Energy

PROGRAM NAME: Voluntary Truck and Bus Fuel Economy Program

CONTACT: William Minning Tel: (202) 252-8003
Office of Transportation Programs
Conservation and Solar Energy
Department of Energy, MS 5H-044
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To improve the fuel-use efficiency of commercial vehicles in the movement of freight and people while conserving fuel resources

- To involve as many members of the truck and bus industry as possible, with emphasis on the owner/operator segment, in the voluntary effort to conserve fuel

Objectives of energy outreach component:

- To inform and motivate elements of the truck and bus industry regarding fuel-saving opportunities through an ongoing information exchange network

DESCRIPTION OF PROGRAM:

Description of overall program:

- The Voluntary Truck and Bus Fuel Economy Program has been a joint effort of the Department of Transportation and the Department of Energy, with some assistance from the Environmental Protection Agency. Government has stimulated the marketplace by providing information on energy-saving techniques and equipment, by leading the development of reliable test procedures, and by conducting test and demonstration programs within industry settings. The program is a mixture of highly technical research, encouragement to the manufacturing sector, and outreach to the commercial vehicle operating sector, sharpening the focus on the economic gains for all involved via aggressive energy conservation programs, including proper equipment selection, driver training, maintenance, routing, and adherence to the 55 miles per hour speed limit.

Description of energy outreach component:

- The program uses a variety of mechanisms and media (publications, exhibits, audiovisuals) to promote fuel economy in heavy duty vehicles. Through its own newsletter, as well as through the trade press and professional and trade associations, the program seeks to utilize existing, proven channels of communication to the industry. However, it is also exploring new ways to reach owner-operators through, for example, truck stop demonstrations and seminars for truck dealers.

Energy outreach services:

- Publications and materials - "Fuel Economy News" (quarterly program newsletter), flyers, brochures, and handbooks for fleet operators, owner-operators, school administrators, etc. (e.g., "New Trucks Save Fuel," "Truckers Guide to Fuel Saving," "Encouraging School Transportation Effective Energy Management")
- Exhibits and audiovisual displays - Exhibits for trade shows, slide presentation "A Better Way," 16mm film "Owner-Operator: Fuel Conservation for Profit," exhibits at truck stops (geared for owner-operators)
- Workshops, seminars, and conferences - Seminars for truck dealers to inform/motivate them concerning fuel-efficient option selling
- Technical assistance - Provides test data and procedures, information on fuel economy practices and fleet experiences with fuel-efficient equipment options, how-to manual for establishing school transportation energy program

TARGET AUDIENCE(S):

For overall program:

- Motor carriers (both fleet and owner-operators)
- Manufacturers and suppliers
- State and local government agencies
- Trade associations
- Labor groups
- Trade press
- School administrators
- Federal fleet administrators

For energy outreach component:

- Business and industry (general) - Private motor carriers, engine and vehicle manufacturers
- Small commercial and industrial firms - Small truck fleet operators
- Local government - Municipal truck/bus fleet managers and operators
- State government - All State fleet managers and operators, State energy offices, energy extension services, State trucking associations
- Federal government - All Federal fleet managers and operators
- Agriculture - Operators of refrigerated units
- Trade and professional groups - American trucking associations, State trucking associations, Motor Vehicle Manufacturers Association, American Bus Association, American Public Transit Association
- Labor unions - Teamsters, United Transportation Union, National Independent Truckers Unity Committee

DELIVERY MECHANISMS:

- American trucking associations and State trucking associations
- Motor and equipment manufacturers associations
- Motor Vehicle Manufacturers Association
- National Automobile Dealers Association
- National Association of Truck Stop Operators
- Private Truck Council of America
- Trade press (Commercial Car Journal, Diesel Equipment Superintendent, etc.)
- Labor groups
- State energy offices/energy extension services

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Distribution of 3,000 fuel economy newsletters quarterly
- Dissemination of slide show presentation, fuel economy movie, and school bus fuel conservation handbook
- Presentations to manufacturers, dealers, and suppliers in major cities around the country

- Implementation of truck dealer/truck stop program
- Membership of 250 organizations, including 18 State energy offices

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$ 45,000	$ 45,000
FY 1980	$230,000 (est.)	$230,000 (est.)

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of State and Local Assistance Programs
Conservation and Solar Energy

PROGRAM NAME: Energy Extension Service (EES)

CONTACT: Mary Fowler Tel: (202) 252-2344
Energy Extension Service
Conservation and Solar Energy
Department of Energy
1000 Independence Avenue, S.W.
Washington, D. C. 20585

OBJECTIVES:

- To connect small-scale energy users with practical and available energy conservation opportunities; provide for the establishment of a positive energy outreach program emphasizing the increased capability of small energy users to make informed choices through technical assistance and information programs; provide for services which complement and supplement, but do not duplicate, other energy conservation and renewable resource applications which already exist; and provide feedback to DOE and other decision-makers regarding institutional and technological barriers to adoption of energy-saving measures.

DESCRIPTION OF PROGRAM:

- Provides personalized services that emphasize increasing the capability of small energy users to make informed energy choices
- Stresses energy audits, community self-help, and the use of local organizations and qualified experts to deliver services
- EES programs are planned and managed by the State and Territorial offices named by the governors using grants from DOE
- Emphasizes maximum State flexibility to design services tailored to local needs
- Supplements and coordinates with other existing programs that encourage adoption of conservation and solar energy applications
- Practical demonstrations are performed in some States, e.g., New Mexico offered a workshop in which participants constructed an attached solar greenhouse
- DOE technical support services to State EES programs
  - Workshops, seminars, and conferences focusing on particular interests and needs of the States and Regions and facilitating peer exchange of successes and problems among program participants

- Monthly information materials distributed to the States as part of INFO-EES System (news articles, excerpts from DOE and State publications and reports, meeting announcements, training materials, etc.)

- General and practical information file (GAP) developed at the Technical Information Center in Oak Ridge, Tennessee, includes "how-to" publications and materials related to EES.

TARGET AUDIENCE(S):

For overall program:

- Selected by State EES offices from among the following, with an emphasis on "small-scale energy users"
  - Homeowners, tenants, landlords
  - Small business and industry
  - State and local governments
  - Agriculture
  - Teachers and students
  - Schools and hospitals
  - Community and other nonprofit groups
  - Transportation
  - Trade and professional groups - bankers, architects, homebuilders, HVAC engineers

For energy outreach component:

- Same as above

DELIVERY MECHANISMS:

- EES grants are made to the States, which may contract with those organizations they consider appropriate in order to deliver EES services.

- Delivery of EES services is tailored to the particular needs of the end user through those groups best able to meet those needs. Very often these groups have already established credibility with the target audience. The group is seen as a reliable source of energy information and assistance.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- EES program has expanded from its 10-State pilot program to a nationwide program in FY 1980. Plans for all 57 States and Territories have been approved.

- EES has spearheaded a technical assistance concept and operation that pulls together existing resources and makes them easily accessible to States and encourages the building of independent State capability for handling repetitive needs.

- EES is serving as a laboratory for other programs with regard to coordinating a wide array of services. EES is generating, for example, the best ways to conduct energy audits and services to small business and low income groups, as well as the energy-saving impact and cost-effectiveness measure that can reasonably be expected.

- EES completed the second-year evaluation of the pilot program, showing that EES increased energy savings at a cost of $8.50 per barrel of oil equivalent.

- Examples of EES activities

  - Dallas Federal Savings and Loan has taken on 10 mortgages per month on its own account to test an EES-developed mortgage formula which benefits home buyers who select homes with conservation packages.

  - Blue Cross of Pennsylvania has agreed to finance additional hospital audits in the two counties served by the EES program.

  - The National Restaurant Association and DOE are funding a nationwide expansion of the Wisconsin EES program for audits and technical assistance for energy conservation in restaurants.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- First- and second-year studies have been completed on the Pilot Program.

  - Energy savings achieved by clients at a cost of $8.50 per barrel of oil equivalent

  - $16 of private investment leveraged for each program dollar spent

  - 90% of those surveyed believed the information received from EES sources to be either more useful or at least as useful as that received elsewhere

  - Two-thirds of those surveyed indicated that EES had an influence on functions to conserve energy

  - The average client among those surveyed planned 44% more actions for the next year than the average non-client

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$15,000,000	$ 7,500,000
FY 1980	$29,600,000	$29,600,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of State and Local Assistance Programs, Conservation and Solar Energy

PROGRAM NAME: Local Government Conservation Programs

CONTACT:
Mr. William Raup Tel: (202) 252-2335
Director, Local Government Conservation Programs Division
Office of Institutional Conservation Programs
Conservation and Solar Energy
Department of Energy, MS 2H-027
1000 Independence Ave., S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- This Division is responsible for the development and implementation of a program to determine strategies for promoting energy conservation for local governments. The Division determines the impact of energy conservation measures which have been undertaken by local governments and develops technical assistance materials to communities interested in pursuing similar programs. It also serves as the focus of all Departmental programs related to units of local government.

Objectives of energy outreach component:

- Working with various Federal agencies and public interest groups, the Division facilitates an exchange of ideas, opinions, and information to aid and encourage, through direct financial and technical assistance, local government officials to take the lead in implementing energy conservation policies

DESCRIPTION OF PROGRAM:

Description of overall program:

- Conduct feasibility studies, energy conservation impact studies, develop technical assistance materials or successful local government projects, and coordinate Federal and State assistance programs for communities that wish to implement such programs

Description of energy outreach component:

- Distribute findings from studies, provide forums for exchange of ideas

Energy outreach services:

- Workshops, seminars, and conferences - To be developed
- Practical demonstrations - To be funded

TARGET AUDIENCE(S):

For overall program:

- Local government units and the communities they serve

For energy outreach component:

- Local government - Nationwide
- Transportation - As it relates to or is controlled by local governments, nationwide
- Trade and professional groups - City planners, architects, engineers
- Teachers and/or students - At the college and university level, to encourage cooperative energy conservation programs between this sector and local governments
- Community and other nonprofit groups - As they initiate or take responsibility for implementation of energy conservation programs in their communities

DELIVERY MECHANISMS:

- National associations and public interest groups
- National Associations of Counties
- U.S. Conference of Mayors
- League of Cities

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Program in start-up stage

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	-0-	-0-
FY 1980	-0-	-0-

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Institutional Conservation Programs
Conservation and Solar Energy

PROGRAM NAME: Grant Program for Schools and Hospitals

CONTACT: Harry Lane Tel: (202) 252-2339
Program Operations Division
Office of Institutional Conservation Programs (ICP)
Office of State and Local Assistance Programs
Conservation and Solar Energy
Department of Energy, MS 2H-027
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVE:

- To assist schools and hospitals in assessing their energy use and to help them make best use of their energy conservation opportunities

DESCRIPTION OF PROGRAM:

- Provides matching grants to States and Territories (55 eligible jurisdictions) for preliminary energy audits and energy audits

- Provides matching grants to eligible institutions for conducting technical assistance (TA) analyses and the acquisition and installation of energy conservation measures (ECM)

- 10% of each State's Federal TA/ECM allocation is set aside for additional assistance to schools and hospitals evidencing severe hardship

Energy outreach services:

- Energy audits - Preliminary energy audits and energy audits are provided to participating schools and hospitals through grants to the States for that purpose.

- Grants - To participating States for the conduct of preliminary energy audits and energy audits for schools and hospitals. Grants to the States for administration of NECPA Title III programs.

TARGET AUDIENCE(S):

- Public and private nonprofit schools and hospitals

- State government

- Health, education, or research institutions

DELIVERY MECHANISMS:

- State energy offices
- The Office of Institutional Conservation Programs sets policy and administers the program through the DOE Regional Offices

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Grants totalling nearly $25 million have been awarded to 54 participating States (Nevada is not taking part in these programs at this time) for the preliminary energy audit and energy audit phases of NECPA Title III programs.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring outreach activities or services and their costs
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources
- Measuring energy savings

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach*
FY 1979	$100,000,000	$20,000,000
FY 1980	$141,250,000	$ 5,000,000

*Preliminary energy audit/energy audit grants to States

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of State and Local Assistance Programs
Conservation and Solar Energy

PROGRAM NAME: State Energy Conservation Program (SECP)

CONTACT: Mary Fowler Tel: (202) 252-2344
Acting Director, Office of Energy Management and Extension
State and Local Assistance Programs
Conservation and Solar Energy
Department of Eenrgy, CS-24
1000 Independence Avenue, S.W.
Washington, D. C. 20585

OBJECTIVES:

- To provide States with the means to establish and implement energy conservation programs with the goal of reducing State energy consumption by five percent of the projected demand for 1980
- To provide overall coordination, technical assistance, and financial assistance to aid States in successfully implementing energy conservation programs

DESCRIPTION OF PROGRAM:

- Assists States in planning and implementing energy conservation programs
- Requires mandatory program measures (lighting efficiency standards; thermal efficiency standards; carpool, vanpool, and public transportation programs; Government procurement practices standards; right-turn-on-red legislation; public education; effective intergovernmental coordination; and energy audits)
- Includes voluntary measures as proposed by the States
- Grants for program implementation are awarded by the DOE Regional Representative to the Governor's designee within each State program on submission of an approved State plan
- DOE technical support services to State SECP programs
  - Publications on energy audits, lighting efficiency, and procurement practices
  - Curriculum development
  - Technical assistance

- Workshops, seminars and conferences focusing on particular interests and needs of the States and Regions, and facilitating peer exchange of successes and problems among program participants

TARGET AUDIENCE(S):

- States and Territorial Jurisdictions receive grants
- The general public is served through the State programs, and other audiences include:
  - Apartment house residents
  - Business and industry (general)
  - Small commercial and industrial firms
  - Local and State government
  - Agriculture
  - Transportation
  - Trade and professional groups
  - Teachers and students
  - Community and other nonprofit groups

DELIVERY MECHANISMS:

- The Office of Energy Management and Extension provides policy guidance and administers the program through the DOE Regional Offices.
- The State energy offices are responsible for implementing the SECP plans.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- State capability established to plan and implement energy conservation activities

  Most States did not have State Energy Offices prior to implementation of the State Energy Conservation Program (SECP). SECP provided States with funding needed to establish or expand their capability to plan, design, and implement a wide variety of energy conservation measures. This basic State energy conservation capacity has been a spring-board for establishing other energy conservation programs, such as the Residential Conservation Service and the Schools and Hospitals program, which were enacted after SECP.

- SECP achieved energy savings at a favorable cost-benefit ratio

  States reported saving a total of 0.7 quads of energy in 1978 and 1.8 quads in 1979. A conservation analysis of four major SECP program measures shows a very attractive cost-benefit ratio of 1 to 5 for 1979. For every dollar of Federal funds spent, $5.40 worth of energy was saved.

- Basic energy conservation measures are being implemented

  The SECP strategy for getting States off to a fast start on energy conservation was to require implementation of certain basic conservation activities. Most of these required measures are being implemented on a continuing basis nationwide. All States are implementing programs to encourage carpools, vanpools, and public transportation; to promote energy conservation measures through public education efforts; to ensure effective intergovernmental coordination; and to provide energy audits for buildings and industrial plants. Most States have implemented energy-efficient procurement practices and right-turn-on-red and many have adopted lighting and thermal efficiency standards for buildings.

- Innovative programs have been developed by the States

  In addition to implementing the required program measures, the States have a great deal of flexibility in developing other programs to help them achieve their energy conservation goals. Sixty percent of the States reported energy savings have been achieved by the voluntary State activities. Some examples of innovative programs the States have developed under SECP to meet their needs are:

  - State tax incentives to manufacturers and purchasers of solar equipment (Puerto Rico);
  - Energy audits, improved energy management, conservation retrofits and computerized monitoring of energy consumption in State buildings (Montana);
  - Industrial consortia for exchange of information on fuel conversions, cogeneration and other aspects of energy conservation (Missouri);
  - Energy resources groups to implement procedures for energy-efficient procurement (Illinois);
  - Purchase of recycled paper (Maryland).

EVALUATION

Completed

- Programmatic evaluation and energy savings indicators study completed with the following results:
  - Total energy savings of 0.7 quads in 1978, 1.8 quads in 1979
  - Four SECP program measures show a 1979 cost-benefit ratio of 1 to 5
  - $5.40 worth of energy was saved for each program dollar spent

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Programmatic evaluation has been completed.
- Evaluation focuses on validation of energy savings and cost-effectiveness analysis.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$57,800,000	$ 7,000,000 (est.)
FY 1980	$47,800,000	$28,000,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Small-Scale Technology
Conservation and Solar Energy

PROGRAM NAME: Appropriate Technology Small Grants Program

CONTACT: Al Feldt Tel: (202) 252-9104
Acting Program Manager
Office of Small Scale Technology
Conservation and Solar Energy
Department of Energy, MS 6G-040
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To make more energy-related technology options available in the U.S.
- To provide access to DOE for individuals and groups who would not otherwise have contact
- To make available technology not otherwise accessible to DOE
- To further national efforts in promoting the rise of renewable resources and conservation of non-renewable resources
- To promote and encourage the use of small technology throughout the country

Objectives of energy outreach component:

- To provide information on the successes and failures of DOE-funded appropriate technology projects

DESCRIPTION OF PROGRAM:

Description of overall program:

- To provide grants for the development of small-scale, energy-related technologies that are "appropriate" to local needs and of skills that can provide alternatives to large-scale technologies

Description of energy outreach component:

- Presently, two contractors are working on strategies by which information dissemination and commercialization may be utilized by all 10 Regional Offices.

Energy outreach services:

- Publications and materials - Fact sheets and program summary sheets
- Exhibits and audiovisual displays - Slide presentation of Region IV Projects
- Workshops, seminars, and conferences - Solar collector kit workshop developed by Dr. Mumma at Arizona State University
- Grants - 584 grants awarded in FY 1979

TARGET AUDIENCE(S):

- Individuals
- Local nonprofit organizations and institutions
- State and local agencies
- Indian tribes
- Small businesses

DELIVERY MECHANISMS:

- In planning stages

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Planned:

- Measuring outreach activities or services and their costs
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources
- Measuring client response to the outreach services provided
- Measuring energy savings

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$ 8,000,000	Not Available
FY 1980	$12,000,000	Not Available

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Solar Applications for Buildings
Office of Conservation and Solar Energy

PROGRAM NAME: Market Development Programs

CONTACT: Charles Hayes Tel: (202) 252-8102
Passive/Hybrid Market Development Programs
Office of Solar Applications
Conservation and Solar Energy
Department of Energy, MS 5G-026
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To initiate and implement activities aimed at accelerating the market development, acceptance, and use of solar energy applications
- To provide major assistance in transferring to industry those solar technologies with a potential for early impact application

DESCRIPTION OF PROGRAM:

- There are three Solar Market Development Program branches in the Office of Solar Applications for Buildings:
    - Passive/Hybrid Market Development Program
    - Active Market Development Program
    - Photovoltaic Market Development Program
- Works with industries; communities; colleges; vocational schools; State, local, and Federal government organizations; and any other interested organizations that can multiply the impact of the Market Development Programs
- Disseminates user-oriented solar information by means of documents, public media material, exhibits, presentations, workshops, and conferences
- Disseminates solar information through channels designed to reach small businesses, universities, and organizations in minority group communities
- Coordinates information services with the National Solar Heating and Cooling Information Center
- Coordinates technology transfer activities with State and legislative offices and with local governments

Energy outreach services:

- Develops and implements a broad range of educational programs
- Conducts workshops, seminars, and conferences

TARGET AUDIENCE(S):

- Any person or organization that will employ solar energy technology or will participate in the effort to introduce it into widespread national use. Includes:
  - General public
  - Potential residential and commercial users of solar power
  - Local, State, and Federal governments
  - Trade and professional groups
  - Teachers and students
  - Community and other nonprofit groups

DELIVERY MECHANISMS:

- National Solar Heating and Cooling Information Center
- Solar Energy Research Institute (SERI)
- Regional Solar Energy Centers
- Trade and professional associations
- State energy and education offices
- Education and training institutes
- Consumer groups

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Held series of 49 solar workshops for the financial community
- The Solar Index Reporting Network has expanded to broadcast and print media in 200 cities and is in most of the Nation's top 200 markets.
- Initiated an industry solar installer training program
- Initiated SUEDE, an interagency program of job training, disadvantaged business development, and solar market development in low-income communities

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Planned:

- An evaluation is planned as an integral part of each RSEC management program.
- Will measure the impact of the outreach services on client conservation action and on conversion to renewable energy sources, and client response to the outreach services provided

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$ 2,500,000	$ 2,500,000
FY 1980	$16,000,000	$16,000,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Field Operations and International Programs
Conservation and Solar Energy

PROGRAM NAME: Regional Solar Energy Centers
(RSEC's)

CONTACT: Carl W. Conner Tel: (202) 252-8113
Office of SERI and RSEC Programs
Conservation and Solar Energy
Department of Energy, MS 5G-026
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To speed marketplace acceptance of solar energy technologies
- To structure regionally specific programs in support of five market-ready solar technologies: passive solar design, water heating, small wind systems, industrial process heat, and wood combustion
- To develop outreach services in order to promote the use of solar energy by the businessman and the individual energy user
- To provide technical assistance to businesses and organizations which will be key instruments to adaptation and acceptance of solar technologies

Objectives of energy outreach component:

- To reach the businessman through seminars, conferences, and workshops
- To provide the financial community and trade associations with accurate, useful information that will speed the use of solar systems
- To conduct a public information program using local print and broadcast news media
- To support staff at the State government level to encourage State governments to plan for and use solar

DESCRIPTION OF PROGRAM:

Description of overall program:

- Conducts a passive solar home building demonstration and education program to accelerate building, sale, and use of passive solar homes
- Structures planning and evaluation studies to determine regional need for solar hot water systems; conducts installation workshops and information campaigns
- Provides information to industry encouraging the adoption of solar energy as a replacement for fossil fuel energy
- Conducts market development programs to encourage acceptance of wood and wind as energy sources
- Establishes interlinking information and data systems between the Solar Energy Research Institute, the National Solar Heating and Cooling Information Center, and existing regional solar information channels

Description of energy outreach component:

- Activities to promote active, passive, industrial process heat, wood, and small wind technologies. Programs include workshops for training in solar technologies, information seminars, publications, audiovisual materials, and an annual "update" conference to present the current developments and opportunities in solar.

Energy outreach services:

- Publications and materials - Each regional center publishes region-specific materials to present information about five basic solar technologies to its constituents
- Exhibits and audiovisual displays - The regional centers have exhibits and audiovisual displays which they take to conferences, seminars, etc. Some displays are designed specifically for high-impact public areas, such as airports; the displays promote specific regional center programs.

- Curriculum development - The regional centers conduct training programs in the five solar technologies in order to provide information to professionals in other fields and to train workers to meet the needs of the growing solar industry. Programs of curriculum development and teacher training are also carried out.

- Workshops, seminars, and conferences - The regional centers conduct programs for diverse groups, both professional and nonprofessional, to promote solar energy. Architects, engineers, designers, and bankers, as well as homeowners who do not have a particular trade skill, are included in these programs.

- Practical demonstrations - One regional center has contracted a series of homes which meet up to 80% of their energy needs through passive solar design. These homes are open to the public for inspection. An accompanying book describes each house, its dimensions, and costs within a particular area of the region.

- Technical assistance - Provided as needed to designers, engineers, and architects interested in incorporating solar into their businesses. Also for the individual homeowner considering solar or who already owns a solar system.

- Interface with State governments - Each regional center supports staff at the State government level, and, as a result, regional center programs better meet individual State needs. Local solar groups have better access to the center programs through these State networks.

- Sensitivity to regional needs is provided by advisory groups to each center. These groups are made up of members of local community groups that are interested in promoting the use of solar technologies.

TARGET AUDIENCE(S):

For overall program:

- All programs are directed at the businessman, industry or trade groups, bankers, engineers and architects, and the homeowner. Programs of information as "outreach" comprise the majority of regional center efforts and this cannot be separated from the main RSEC focus.

For energy outreach component:

- General public - Through newsletters, other printed materials, audiovisual presentations

- Residential - Through public service advertising, printed materials, outdoor advertising. These techniques have been used to promote residential solar hot water heating.

- Business and industry (general) - Through seminars, workshops, conferences. The regional centers present case histories of businesses that have successfully used solar to convince other businesses within the same industrial classification to rely on solar for a part of their energy requirements.

- Small commercial and industrial firms - Through on-site visits, technical assistance programs

- Local government - Through staff support. The centers' programs emphasize their region-specific orientation and their abilities to serve local government interests and needs

- State government - Support of staff in every State government. The regional centers respond to needs of individual States.

- Federal government - The regional centers are beginning to take over management of some solar installations on Federal buildings. In addition, in some areas the centers will be making suggestions for optimum Federal locations for solar demonstration projects.

- Agriculture - Promotion of solar/biomass programs, especially in the midwest

- Trade and professional groups - Conferences to promote solar technologies within given industries

- Teachers and/or students - As a source of information in solar technologies; workshops for teacher training in solar curriculum, K-12

- Community and other nonprofit groups - The regional centers promote their programs and organizations as particularly responsive to the needs of solar interest groups. The centers' advisory groups are made up of representatives from local community organizations.

DELIVERY MECHANISMS:

- News media

- Professional organizations (bankers, financial officers, engineers, etc.)

- Businesses

- Community groups

- State governments

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- A solar "update" conference in each region, every year

- Briefings for the press

- "Project Sunshine," a promotional campaign for solar hot water heaters in three counties of Florida, sponsored by SSEC
    - Columns in 60 newspapers
    - Televised public service announcements (no paid advertising used)
    - Stuffer in Florida Power and Light bills, in English and Spanish
    - Promotional billboards
- Photovoltaic display at 1980 Winter Olympics, sponsored by NESEC
- "Operation Sunpower," sponsored by NESEC, promoted HUD grants for residential water heating systems and tax credits for solar systems. Aimed at doubling New England solar systems.
- MASEC "Solar 80 Homes" program gave opportunity to tour MASEC-designed homes. Their passive features can save up to 80% of conventional energy costs.
- Western SUN has established a strong network of contacts within the State energy offices. Western SUN's outreach programs to date have been focused through these offices. Western SUN State solar offices participate in many State solar events.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring outreach activities or services and their costs
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources; the numbers of new solar systems will be watched carefully
- Measuring client response to the outreach services provided; future programs will be designed with this in mind

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$13,500,000	$13,500,000
FY 1980	$21,800,000	$21,800,000

*The totals include personnel and operating costs, as well as planning and other administrative and support functions. The regional center program is, essentially, one of outreach, so subtotals for administrative costs are not shown here.

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Field Operations and International Programs
Conservation and Solar Energy

PROGRAM NAME: DOE Solar Energy Information Data Bank (SEIDB)

CONTACT: Michael Pulscak Tel: (202) 252-4103
Field Operations and International Programs
Conservation and Solar Energy
Department of Energy, MS 6B-025
1000 Independence Avenue, S.W.
Washington, D.C. 20585

Herbert B. Landau, Manager Tel: (303) 231-1317
Information Systems Division FTS 327-1317
Solar Energy Research Institute (SERI)
1617 Cole Boulevard
Golden, CO 80401

Information inquiries should be addressed to:
Solar Information Center
Solar Energy Research Center
1617 Cole Boulevard
Golden, CO 80401
(301) 231-1415
FTS 327-1415

OBJECTIVES:

Objectives of overall program:

- To build and coordinate a national information network to support the accelerated development and application of solar energy and conservation technologies by providing appropriate information resources to solar and conservation decision-makers who need them
- To collect, process, retrieve, and disseminate bibliographic, numeric, and directory data on the state of the art of new and renewable energy technology
- To cooperate with other information activities involved in solar energy and conservation

Objectives of energy outreach component:

- To make solar energy data, publications, library, and inquiry services accessible to government, contractors, universities and colleges, the private sector, and the public

- To foster the creation of a distributed solar information dissemination network including Regional Solar Energy Centers, State Solar Offices, the Energy Extension Service, and DOE Regional Offices.

- To provide direct document distribution and announcement services

- To provide for national and local inquiry and referral services

DESCRIPTION OF PROGRAM:

- Provide a national information network of information centers and services with central core facilities at the Solar Energy Research Institute. Information product and service areas include outreach and dissemination, library and bibliographic services, inquiry and referral services, data base development, and data processing support.

Energy outreach services:

- Publications and materials - Develops informative documents as necessary to meet information needs identified by national user needs studies and input from DOE solar program offices. These documents include such items as technical manuals, reference books, research reports, brochures, directories, etc.

- Exhibits and audiovisual displays - Creates, staffs, and schedules exhibits featuring solar technologies and/or information services for presentation at various conferences and state fairs. Also prepares audiovisual presentations, including slide shows and motion pictures, for similar purposes.

- Curriculum development - Develops sample syllabuses and course materials for solar (such as Alcohol Fuels Community College courses)

- Workshops, seminars, and conferences - Develops audiovisual materials for workshops and seminars to be presented by various professional and service organizations

- Practical demonstrations - Provides instruction and demonstration of on-line data bases to various SEIDB users

- Technical assistance - Provides documents and factual information extracted from SEIDB data bases in response to phone and written inquiries

- Energy audits - Provide answers to public inquiries on energy audits and supplies audit forms in bulk to electric utility companies

- Grants - Provides answers to public inquiries on grants and other government incentives and subsidies available and distributes publications identifying such information

- On-line data bases are made accessible via phone lines and remote terminals to eligible information network participants from every section of the nation.

- Simulation modelling and computer computational services are made available on-line via phone lines and remote terminals to eligible information network participants from every section of the nation.

TARGET AUDIENCE(S):

For overall program:

- Provides information acquisition, development, and dissemination services for Federal, State, and local government organizations (and their contractors) that are active in the area of solar energy; universities and colleges in their related solar research and consulting activities; and the private sector upon request in appropriate cases

For energy outreach component:

- General public - Homeowners, students, educators

- Residential - Builders, developers, contractors, architects, installers, and home maintainers

- Business and industry (general) - Manufacturers, distributors, utilities

- Small commercial and industrial firms - Consulting firms, retailers, banks, legal firms, insurance firms, and realtors

- Local government - Legislators and municipal government planners, regulatory agencies

- State government - Legislatures, executive branches, regulatory agencies, State energy offices, State solar offices

- Federal government - Department of Energy, Federal R&D oriented agencies and their contractors, Federal agencies involved in residential and building programs, regulatory agencies, and Congress

- Agriculture - Farmers, agribusiness, commodities dealers

- Transportation - Automobile industry, petroleum producers and distributors, and retailers interested in alcohol fuels

- Trade and professional groups - Engineering, scientific, trade, and environmental groups interested in new and renewable energy and conservation

- Teachers and/or students - Elementary, secondary, university, and vocational sectors interested in solar education
- Health, education, or research institutions
- Community and other nonprofit groups - Community and consumer groups interested in solar and energy conservation
- Researchers
- Independent consultants
- Information intermediaries

DELIVERY MECHANISMS:

- SERI Document Distribution Service
- DOE Technical Information Center
- National Technical Information Service
- U.S. Superintendent of Documents
- Regional Solar Energy Centers (4)
- DOE Regional Offices
- National Solar Heating and Cooling Information Center
- State Solar Energy Offices
- Various professional and trade associations
- Energy Extension Service
- Libraries and bookstores
- Radio and television broadcasting companies
- Journals and other periodicals

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Development and distribution of 250,000 copies of small-scale alcohol fuel production guidebook, Fuel From Farms (1/80 - 10/80)
- Response to approximately 60,000 inquiries from alcohol fuel hotline (2/80 - 10/80)

- Distribution of approximately 620,000 printed documents and 22,300 microfiche to information users. Of these, 308,000 documents were mailed to selected target audiences and 312,000 were provided in response to information inquiries. (10/79 - 10/80)

- Development and distribution of the following publications:
  - Solar Events Calendar (4 issues)
  - National Education Directory (2nd Edition)
  - Reading Lists for 9 Solar Technologies
  - Publications Bulletin (2 issues)
  - Fuel From Farms - A Guidebook for Small-Scale Alcohol Fuel Production
  - Community Energy Action Booklets (2)
  - Awareness Brochures (3)
  - Vocational Training Directory
  - Community Energy Self-Reliance Proceedings

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- User feedback cards included in major publications. These are currently being received and analyzed.

- Measuring outreach activities or services and their costs

- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources

- Measuring client reponse to the outreach services provided - Feedback forms are included in each document. Users will be contacted on a sampling basis and their opinions solicited.

Completed:

- Major user needs study of nine key user groups in a variety of solar technologies

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$ 3,240,000	$1,900,000
FY 1980	$ 7,400,000	$4,000,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Consumer Affairs

PROGRAM NAME: Faculty Development Program

CONTACT: Donald D. Duggan Tel: (202) 252-6484
Education Division
Office of Consumer Affairs
Department of Energy, MS 7E-054
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To improve the energy-related knowledge and skills of teachers at all levels, so that they can convey better energy information and skills to their students and the general public

DESCRIPTION OF PROGRAM:

- Grants are made on a competitive basis to colleges and universities to conduct teacher training workshops in energy education.

Energy outreach services:

- Workshops, seminars, and conferences - Conducted for teachers (elementary, secondary, college) on energy education
- Grants - Made on competitive basis to colleges and universities to conduct workshops for teachers

TARGET AUDIENCE(S):

For overall program:

- Teachers at all levels

For energy outreach component:

- Teachers and/or students - A teacher training program for teachers at all academic levels
- Health, education or research institutions - Grants made only to accredited colleges and universities

DELIVERY MECHANISMS:

- Accredited colleges and universities, selected on an annual competitive basis

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- In FY 1980, conducted approximately 100 teacher workshops for approximately 8,000 teachers

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- Comprehensive programmatic evaluation completed in FY 1980

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$1,300,000	Approximately 80%
FY 1980	$1,700,000	" "

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Consumer Affairs

PROGRAM NAME: Materials Development Program

CONTACT: Donald D. Duggan Tel: (202) 252-6484
Education Division
Office of Consumer Affairs
Department of Energy, MS 7E-054
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To prepare and distribute energy education curriculum materials for schools which will help teachers and students develop sufficient skills and knowledge of energy fundamentals to deal adequately and effectively with energy issues

DESCRIPTION OF PROGRAM:

- Develops curriculum materials on energy for schools, under contract, and disseminates these materials to teachers, usually from the Technical Information Center (TIC)

Energy outreach services:

- Curriculum development - Develops and disseminates curriculum materials

TARGET AUDIENCE(S):

For overall program:

- Teachers and their students

For energy outreach component:

- Teachers and/or students - Materials developed for K-12 classroom use and made available upon request from TIC

DELIVERY MECHANISMS:

- Curriculum materials available from TIC and, in some cases, from GPO

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Over 1,000,000 pieces of curriculum material distributed each year upon request from TIC

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- Measuring client response to the outreach services provided

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$500,000	Approximately 80%
FY 1980	$500,000	" "

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Consumer Affairs
Education Division

PROGRAM NAME: Post-Secondary, Pre-Baccalaureate Energy-Related Education and Training

CONTACT: Lawrence Akers Tel: (202) 252-6484
Program Manager
Office of Consumer Affairs
Education Division
Department of Energy, MS 7E-054
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To identify and support assessment of critical energy-related manpower needs

Objectives of energy outreach component:

- To provide for collection and dissemination of information on energy-related curricula and resources

DESCRIPTION OF PROGRAM:

- Provide grants or contracts to accomplish objectives

Energy outreach services:

- Grants

TARGET AUDIENCE(S):

- Junior and community colleges, vocational and technical institutions (post-secondary)
- Professional organizations representing above groups of individuals
- Consortia of above

DELIVERY MECHANISMS:

- Grants or contracts made to target group

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$490,000	$100,000
FY 1980	$150,000	$100,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Consumer Affairs

PROGRAM NAME: Pre-Freshman Engineering Program (PREP)

CONTACT:
Dr. Ruth Ann Verell Tel: (202) 252-6480
Professional Associate
Education Division
Office of Consumer Affairs
Department of Energy, MS 7E-054
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To promote equitable participation by all Americans in energy-related careers
- To increase the educational opportunities available to minority group members and women, both qualified and qualifiable, in the field of engineering
- To identify students early in their educational career in an effort to increase the number of students entering the field of engineering

Objectives of energy outreach component:

- To increase the number of students prepared for and entering the field of engineering in anticipation that some of them will enter energy-related fields after receiving their degrees

DESCRIPTION OF PROGRAM:

Description of overall program:

- Seeks out minority group individuals and women during junior high and high school years (7th grade through summer preceding matriculation in college) to provide them enrichment experiences, motivational activities, and information relating to engineering as a career.

Description of energy outreach component:

- Projects often include energy-related activities such as workshops, seminars, or conferences for as many as 100 students during the summer.
- Works to increase the number of people entering engineering with the expectation that some of these will choose energy-related careers.

Energy outreach services:

- Workshops, seminars, and conferences - May include these activities, which may have an energy focus within the engineering focus.

TARGET AUDIENCE(S):

- Trade and professional groups - Through coordination with some professional engineering societies, these activities will have some impact on these groups in an effort to increase the number of students entering engineering.
- Teachers and/or students - Qualified and qualifiable women and minority group individuals from as early as the 7th grade and as late as the summer preceding matriculation in college
- Educational institutions coordinating the individual projects

DELIVERY MECHANISMS:

- Colleges and universities which have baccalaureate degree programs in engineering, institutions with formal dual-degree programs with institutions with baccalaurate degree programs in engineering, or other organizations through cooperative programs with engineering degree granting institutions

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- An increase in the number of women and minority individuals prepared for and entering the field of engineering with the expectation that the number of such individuals entering energy-related careers will also be increased

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Project final reports are to include mechanism for follow-up on participants in the program.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$292,000	Not Available
FY 1980	$393,000	Not Available

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Energy Information Administration (EIA)
Office of Energy Information Sources

PROGRAM NAME: National Energy Information Center

CONTACT: W. Neal Moerschel Tel: (202) 252-1171
Director, National Energy Information Center
Office of Energy Information Services
Energy Information Administration
Department of Energy, Room 1F-048
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To provide energy information and referral assistance to Federal, State and local governments, the academic community, business and industrial organizations, and the general public

DESCRIPTION OF PROGRAM:

- Maintains a staff of energy information specialists to respond to telephone and written inquiries for energy data
- Operates a public reading room
- Disseminates EIA publications
- Offering of a program of seminars on the availability and utilization of EIA publications
- Provides reference and referral assistance to sources of energy information
- Maintenance and operation of the Federal Energy Data Index (FEDEX)

Energy outreach services:

- Publications and materials - Disseminates EIA publications in response to requests
- Workshops, seminars, and conferences - Offers seminars in the use of key EIA publications, the availability of information, and how to obtain it
- Technical assistance - Responds to energy data inquiries

- Developed and maintains on-line data base, FEDEX, for accessing sources of EIA tabular data

- Produces and maintains a Referral Directory of information resources

- Issues hard copy indexes of EIA tabular data

TARGET AUDIENCE(S):

- Congress

- Federal agencies

- State and local governments

- Academia

- Business and industry

- General public

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- In 1979, responded to over 38,000 inquiries for energy information and EIA publications

- Initiated a data base of sources of EIA tabular data on the Bibliographic Retrieval Services USERLINE System; system named FEDEX

- Conducted EIA publications training seminar for State energy agencies, university librarians, and DOE employees

- Conducted an information conference at a DOE regional office for 200 persons affiliated with State and local governments, industry, and libraries

- Developed the Energy Information Referral Directory, now available through GPO on a quarterly basis, a reference publication on sources of energy information

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Not Available	Not Available
FY 1980	Not Available	Not Available

*Not separately identifiable in EIA budget

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Energy Research

PROGRAM NAME: University/Laboratory Cooperation Program

CONTACT: Harold H. Young Tel: (202) 252-6833
University and Industry Programs Division
Office of Energy Research
Department of Energy, Room 3F-077
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To provide a mechanism for the flow of faculty and students from institutions of higher education to DOE R&D facilities, which will strengthen their capabilities in energy research and increase the number of well-trained students entering energy-related work as a career

Objectives of energy outreach component:

- To increase the number of faculty and students who understand the nature of the energy problem and are prepared to make some contribution to its solution

DESCRIPTION OF PROGRAM:

- Activities under the Laboratory Cooperative Program are funded and administered through DOE laboratory contractors or university consortia.
- Students and faculty in the sciences and engineering receive appointments to participate in ongoing research in their areas of interest.
- Stipends and travel support are provided by the administering contractor.

Energy outreach services:

- Publications and materials

- Training and research experience on environment and energy-related research projects through short- and long-term appointments at DOE facilities

TARGET AUDIENCE(S):

- College and university faculty
- Graduate students
- Upper-level undergraduate students

DELIVERY MECHANISMS:

- DOE laboratories and university consortia make appointments and provide assignments of students and faculty to specific research projects.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- 156 faculty appointments
- 181 graduate student thesis appointments
- 715 undergraduate and graduate student appointments
- 132 faculty research visits
- 1,039 faculty and students attended conferences, workshops, and institutes

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- Effectiveness of program administration (November 1979)

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$3,200,000	Not Available
FY 1980	$3,200,000	Not Available

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Public Affairs

PROGRAM NAME: Audiovisual Branch

CONTACT: Jack Moser Tel: (202) 252-5588
Chief, Audiovisual Branch
Office of Public Affairs
Department of Energy, MS GA-343
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To increase public awareness of the nation's energy programs, develop a conservation ethic throughout our society, and provide information that will enable citizens to make prudent choices concerning future energy alternatives

Objectives of energy outreach component:

- To increase size of audience receiving energy information
- To broaden scope of energy information available to the public
- To increase flexibility of delivery systems so that energy information accurately reflects rapidly changing energy realities

DESCRIPTION OF PROGRAM:

Description of overall program:

- Production and distribution of energy information through the use of audiovisual material

Description of energy outreach component:

- DOE operates a free-loan film laboratory which responds to some 70,000 requests for films each year.

Energy outreach services:

- Publications and materials - DOE Free-Loan Film Catalog
- Exhibits and audiovisual displays - 16mm energy films
- Television and radio public service announcements, news features, and other reports

TARGET AUDIENCE(S):

- General public - Although designed for general audiences, some titles are appropriate for delivery to all categories listed below:
  - Residential
  - Business and industry (general)
  - Small commercial and industrial firms
  - Local government
  - State government
  - Federal government
  - Agriculture
  - Transportation
  - Trade and professional
  - Teachers and/or students
  - Health, education, or research institutions
  - Community and other nonprofit groups

DELIVERY MECHANISMS:

- DOE Free-Loan Film Library
- Commercial film distributors
- Radio and television broadcasters
- National Audiovisual Center (GSA)

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- During FY 1980, the DOE Free-Loan Film Library will make more than 75,000 loans to reach audiences totaling some 31 million viewers.
- Six selected film titles in commercial distribution during FY 1980 to adult and television audiences will result in 31.8 million audience impressions.
- Eight 90-second television news features released during FY 1980 will result in an estimated 80 million audience impressions.
- Recorded radio news features are used by approximately 1,000 radio stations per week. Although actual audiences reached are not quantifiable, these figures indicate that some 52,000 broadcasts of DOE news feature material are made by commercial and noncommercial broadcasters each year.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring client response to the outreach services provided

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$341,000	$225,000
FY 1980	$322,000	$250,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Public Affairs

PROGRAM NAME: Public Presentations Branch

CONTACT: Chet Gray/John Bradburne, Jr. Tel: (202) 252-4670
Assistant to Director for Public Affairs
Office of Public Affairs
Department of Energy, MS 1E-218
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To broaden public understanding of the Nation's energy needs and the relationship of those needs to economic vitality and National security
- To provide timely, accurate, and instructional information that consumers can use to reduce their own energy consumption and make prudent choices on future energy alternatives

Objectives of energy outreach component:

- To demonstrate and explain practical things that can be done to reduce individual energy requirements

DESCRIPTION OF PROGRAM:

- Coordinate the development, design, fabrication, and operation of public presentations, including exhibits to implement the Public Affairs' information dissemination program for museum visitors; groups of people at shopping centers, fairs, etc.; attendees at conventions and symposia, etc.
  - Present manual participation/demonstrations of practical and personal conservation measures
  - Contribute to an Energy Exhibit, housed in a nationally known museum, featuring energy conservation techniques, renewable energy systems, and methods of using coal in lieu of oil
  - Circulate museum exhibits teaching conservation in the home and on the highways
  - Conduct intense, multifaceted energy conservation information activities in major geographic areas, working through local civic and service groups

  - Display mobile units featuring conservation at major state fairs and energy expositions
  - Operate "Saving Energy Show" units in large shopping malls
  - Make available small portable exhibits, containing audience participation devices and electronic simulators on home energy conservation and transportation, to energy fairs, libraries, etc.

Energy outreach services:

- Publications to reinforce exhibit message
- Traveling exhibits, manned and unmanned exhibits
- Workshops, seminars, and conferences
- Practical demonstrations
- Technical assistance

TARGET AUDIENCE(S):

- General public

DELIVERY MECHANISMS:

- Science museums
- Shopping centers
- Fairs
- Conventions
- Symposia

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Reached over 14 million people in FY 1979 - engaging each person for about 15 minutes of information exchange
- Responded to about 175 direct Congressional requests to provide exhibits for energy-related fairs and conferences
- Reached over 8 million people with personal energy conservation information, including information on home energy conservation

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measure outreach activities or services and their costs and the impact of these outreach services on client conservation actions and on conversion to renewable energy sources

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$1,700,000 (est.)	$ 850,000 (est.)
FY 1980	$1,500,000 (est.)	$ 750,000 (est.)

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Public Affairs

PROGRAM NAME: Press Services Program

CONTACT: Carl Gustin Tel: (202) 252-4292
Director, Press Services Division
Office of Public Affairs
Department of Energy, MS 1E-218
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- To communicate to the press and the public in an accurate and timely manner information on the nature and scope of energy problems and actions the Federal government, particularly the DOE, is taking with respect to them

- To achieve greater efficiency in the use of energy by increasing public awareness and acceptance of the need to conserve

- To communicate to the press and the public useful information on actions that can be taken to reduce consumption of energy and increase the use of domestic alternatives to imported oil

- To respond effectively and efficiently to diverse media for information that meets their particular communications needs

DESCRIPTION OF PROGRAM:

- Public Affairs uses all available communications techniques to the extent possible, including written and telephone responses to public and media inquiries, exhibits, films, public service advertising, publications, print and electronic news features, speeches, and the distribution of material to the news media. Private sector organizations and other government units are encouraged to participate in energy conservation communications efforts as a means of multiplying the effectiveness while minimizing the cost of the public affairs program. Departmental public affairs activities have been centralized for better coordination of information efforts and to prevent duplication.

Energy outreach services:

- Publications and materials

- Exhibits and audiovisual displays

TARGET AUDIENCE(S):

For overall program:

- News media, primarily, including print and broadcast

For energy outreach component:

- General public

DELIVERY MECHANISMS:

- Media information program:
  - Prepare and issue news releases, respond to news media questions, and arrange interviews and press conferences for Department staff at all levels, including the Secretary
  - Coordinate and monitor the dissemination of public information by regional and field offices
  - Provide guidance to and manage above

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- 400 news releases
- 39,000 press inquiries
- 1,200 interviews of DOE officials
- 250 news conference conducted
- Greater public awareness of U.S. energy policies and programs, the achievements, problems, and prospects.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Activities are to a large extent guided by public and news media demand for information. For the short and long range, the stress on efforts has been on energy conservation, but with increasing interest in energy supply, i.e., synthetic fuels.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$110,000	$ 55,000
FY 1980	$ 47,000	$ 30,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Public Affairs

PROGRAM NAME: Publications Branch

CONTACT:
John Sullivan Tel: (202) 252-6250
Chief, Publications Branch
Office of Public Affairs
Department of Energy, MS GA-343
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

Objectives of overall program:

- Develop major publications to support national energy policy and programs
- Serve the public need for information on energy policy and programs by carrying out provisions of a DOE-wide management directive which would eliminate duplication of effort, reduce costs of printed materials, and establish policy of inventory control of publications and information retrieval system for listing all titles

Objectives of energy outreach component:

- Through issuance of pamphlets and posters, increase public understanding of:
    - Efforts being made by Federal government, and DOE in particular, to deal with energy-related responsibilities and problems
    - Opportunities available for every citizen to help resolve these problems; for example, ways to save energy

DESCRIPTION OF PROGRAM:

Description of overall program:

- Write, revise, reprint, and make available to the public general-interest brochures and posters on all energy issues
- Provide reproducibles of general-interest publications to industry, local governments, and public service organizations willing to reprint and distribute DOE information
- Review headquarters manuscripts from all program offices to assure issuance of publications that are accurate, consistent with agency policy, responsive to the public need for information, and in conformance with GPO standards for style and production efficiency

Description of energy outreach component:

- Total staff devoted to energy outreach information--division and branch directors, writer-editors, proofreaders, field liaison specialists to identify best audiences and obtain reprinting support of non-DOE organizations, and supporting secretarial staff

Energy outreach services:

- Publications and materials:
    - Print adequate copies of general-interest materials to respond to public requests (According to figures provided by the Technical Information Center, Oak Ridge, Tennessee, TIC alone may need 24 million copies for distribution.)
    - Secure the continued cooperation of non-DOE organizations (industry, public service groups, and local governments) in reprinting and distributing DOE publications, using reproducibles provided by Public Affairs; e.g., International Business Machines reprinted and distributed 92,000 copies of "Tips for Energy Savers." (Over 150 organizations participated during the period October 1979-June 1980.)

TARGET AUDIENCE(S):

For overall program:

- Program is totally devoted to outreach. General-interest brochures and posters are prepared for the entire population--professionals, nonprofessionals, and students. Topics cover all energy issues, including sources and supplies, consumption, conservation, technology, and environmental effects. Two of the conservation brochures and at least one conservation poster have also been printed in Spanish for the energy-concerned Hispanic population.

For energy outreach component:

- General public
- Business and industry (general)

DELIVERY MECHANISMS:

- Primary distribution takes place from point of printing. Secondary distribution is performed by several outlets--bulk and single copies from the Technical Information Center, Oak Ridge, Tennessee; single copies only from the Consumer Information center, Pueblo, Colorado; single copies available in supermarket display racks; and both single and limited bulk copies from DOE headquarters and field offices.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- During FY 1980, originated, revised, reprinted, or made available approximately 100 general-interest brochures and posters

- According to figures of the Technical Information Center, which processes the majority of Public Affairs' materials, distribution for recent years is as follows:
    - 12.9 million copies in 1978
    - 14.5 million in 1979
    - 20 million projected for 1980

- In the period October 1979-June 1980, provided 176 sets of negatives in response to requests for reproducibles from non-DOE organizations. Early responses accompanying return of 38 sets of negatives indicate that, among the 17 titles requested, at least 130,000 copies had been printed of one title alone, "Tips for Energy Savers."

- Since 1978, provided millions of copies of publications in support of special conservation programs initiated by the White House and DOE. Among the campaigns have been:
    - Sun Day
    - Energy: We Can't Afford to Waste it
    - President's Clearing House for energy information to local governments
    - Project Payback
    - Joint public service effort of the Alliance to Save Energy and the Boy Scouts of America to distribute DOE's "How to Save Energy and Money" to more than 4 million households

- Currently testing a month's distribution of "How to Save Gasoline... and Money" at a Department of Motor Vehicles office in Virginia.

- Revised "How to Save Gasoline... and Money" for possible reprinting by foreign and domestic auto manufacturers for insertion in new car glove compartments

- Negotiating with American Public Power Association for possible reprinting and distribution of "Energy Planner." The Association represents 1,400 public utilities that serve most American households.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$248,000	$155,000
FY 1980	$302,000	$200,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Office of Public Affairs

PROGRAM NAME: Special Programs

CONTACT:
L. Robert Davids Tel: (202) 252-4670
Deputy Director, Special Programs Division
Office of Public Affairs
Department of Energy, MS GA-343
1000 Independence Avenue, S.W.
Washington, D.C. 20585

OBJECTIVES:

- To provide the widest possible dissemination of information regarding DOE activities and programs
- To achieve public awareness of the energy situation resulting in greater energy efficiency and conservation

DESCRIPTION OF PROGRAM:

- Develops and implements special minority information programs for Blacks and Hispanics
- Coordinates facility dedications and special events

Energy outreach services:

- Publications and materials - Some in Spanish language
- Exhibits and audiovisual displays - Oriented to Blacks and Hispanics
- Workshops, seminars, and conferences - Black and Hispanic conferences and occasional workshops
- Practical demonstrations - Sometimes for facility dedications, which may include a public tour and demonstration of how technology works

TARGET AUDIENCE(S):

For overall program:

- Black and Hispanic communities

For energy outreach component:

- General public - Black and Hispanic communities
- Business and industry (general) - Occasionally in the context of a facility dedication or special event

- Federal government - Occasionally for a facility dedication or a special event

- Trade and professional groups - Occasionally a Black or Hispanic group

- Community and other nonprofit groups - If it involves a Black or Hispanic group

DELIVERY MECHANISMS:

- Black and Hispanic social and political organizations and conferences

- Black and Hispanic radio and TV stations, newspapers, and magazines to carry news features, print ads, and public service announcements

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Broadcast three energy news stories weekly to 100 Hispanic radio stations reaching about 10 million people

- Presented exhibits and distributed energy conservation literature at major Black and Hispanic conferences, reaching about 20,000 people in calendar year 1979

- Distributed about 250,000 copies of energy publications and 100,000 copies of energy posters to Black and Hispanic communities in 1979

- Radio public service announcements were released to 500 Hispanic stations and 1,600 Black stations

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring client response to the outreach services provided - Response cards are received from those newspapers and radio and television stations which are using print ads or public service announcements. A clipping service are also used in regard to energy articles used. Requests for energy publications are also a measure of public interest.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$20,000	$20,000
FY 1980	$20,000	$20,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Division of Geothermal Energy
Resource Applications

PROGRAM NAME: Geothermal Energy

CONTACT: John W. Salisbury Tel: (202) 633-8909
Division of Geothermal Energy
Resource Applications
Deparment of Energy, MS-3344
1200 Pennsylvania Avenue
Washington, D.C. 20461

OBJECTIVES:

Objectives of overall program:

- To define the national geothermal resource
- To develop economically viable and environmentally acceptable utilization technology
- To reduce institutional barriers in order to make geothermal energy competitive with available alternative energy resources
- To accelerate commercial development of hydrothermal resources through the 1980's
- To stimulate initial development of geopressured resources by the mid-1980's
- To promote initial development of hot dry rock resources in terms of economic viability and environmental acceptability

Objectives of energy outreach component:

- To disseminate accurate, timely information on geothermal energy's marketability, benefits, development and applications, approaches and methods, technologies, economics, incentives, and restraints on development
- To complement current geothermal information and education activities being performed outside of DOE, and on the basis of knowledge of these activities, to prepare and disseminate new information to meet individual, organizational, and media needs and reflect geothermal uses and market prospects
- To maintain an information tracking system to serve as a basis for broadening the information program development

DESCRIPTION OF PROGRAM:

Description of overall program:

- Assists and encourages the private sector to develop the geothermal energy potential of the U.S.
- Engages participation of private sector organizations in development of the geothermal potential
- Communicates facts on geothermal energy to potential user organizations
- Cost-shares selected geothermal demonstration projects
- Supports loan guaranties for geothermal development
- Initiates efforts to reduce institutional barriers and make geothermal energy competitive with available alternative energy resource

Description of energy outreach component:

- Undertakes and encourages preparation and dissemination of accurate, timely information about geothermal development approaches and methods, technologies, economics, incentives, and restraints on development
- Manages an information tracking system which abstracts and catalogues information published in a series of source abstract files
- Has constructed a basic network of selected audiences, market sectors, and information sources

Energy outreach services:

- Publications and materials - Brochures based on geothermal facts and written for the informed layman as well as the general public, fact sheets prepared for specialized market sectors, information kits including materials prepared by a range of sources, special information packages designed to achieve maximum awareness
- Exhibits and audiovisual displays - Limited film production for general and special target audiences, sets of slides for special interest groups, traveling exhibit booths, and displays in Smithsonian Museums
- Curriculum development - Teacher training materials for various grade levels and for teacher information

- Workshops, seminars, and conferences - Workshops, seminars, and conferences organized by and for special interest market sector groups; plans for expansion and coordination of these programs are nearing completion.

- Practical demonstrations - Cost-shared pilot demonstrations of geothermal electricity generation applications approaches are being planned and abstracted, and a number of cost-shared commercial applications and opportunities are being evaluated, tested, and constructed.

- Technical assistance - Technical assistance is offered to users and potential users through the States and the regional DOE structure; this encompasses resource assessment activities in some instances.

- Grants - Limited grant funds are awarded to selected community, institutional, agricultural, and industrial users.

- Geothermal Loan Guaranty Program issues loan guaranties to commercial users. Several loan guaranties have been issued, and additional applications are under review.

TARGET AUDIENCE(S):

For overall program:

- Public and private utilities, particularly in the western third of the U.S., the Gulf Coast region, and the eastern coastal plain

- Land planners and groups

- Community action groups

- Industrial decision makers

- Agricultural enterprise managers

- Environmental interest groups

- Bankers and tax consultants

For energy outreach component:

- General public - Nationally; emphasis on the western U.S., Gulf Coast, northern midwest, eastern coastal plain.

- Residential - Developers, planners, builders, contractors, housing managers, housing finance organizations

- Business and industry (general) - Corporate development planners, exploration and drilling, banking institutions, manufacturers, public and private utilities, commercial and industrial center developers, labor unions, managers, executives, financial, accounting, attorneys, and land planners and developers

- Small commercial and industrial firms - Architects, engineers, Venture Capital, publicity, publishing, and communicators

- Local government - Public power districts, generation and transmission cooperatives, regional energy centers, city and town energy offices, engineers, building managers, environmental interest groups, local media, and librarians

- State government - State geothermal industrial teams, State energy offices, State economic development offices, State offices concerned with physical facilities development, State community development, State real estate boards, and State education agencies

- Federal government - Federal building managers, located in Washington and in field offices; agencies concerned with housing, medical, and educational facilities, health facilities, industrial development, Federal financial support mechanisms, rural and urban development, environmental concerns, and regional development

- Agriculture - Agricultural extension services, agricultural processes, county energy offices, rural development agencies, rural communications media, farm operators, farmers' trade organizations, consumer groups, managers of food producers' conferences and exhibitions, and rural banks

- Transportation - Transportation union publications, transportation system managers, and road facilities developers

- Trade and professional groups - Selected manufacturing managers; financial managers' groups; builders' and developers' groups; legal, tax, and economists' professional groups; and urban and rural planners' groups

- Teachers and/or students - Teachers' associations and their publication editors, school administrators, local school boards, and students at all levels

- Health, education and research institutions - State and county health authorities and associations in above geothermal target areas, State and county education authorities and associations in above geothermal target areas, and medical and educational facilities managers in above geothermal target areas

- Community and other nonprofit groups - Nonprofit facilities developers and community service agencies

DELIVERY MECHANISMS:

- Public and private utilities organizations
- Medical and school facilities management groups
- Town and county councils
- Housing developer groups
- Agricultural and manufacturing company trade associations

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Over 1,000 articles on various aspects of geothermal energy development have appeared in newspapers and magazines over the last six months.
- All three television networks have carried reports on geothermal energy in the past year.
- An independent cable TV station produced a 30-minute documentary on geothermal which was carried in the San Francisco area. Much of this coverage has been stimulated by information kits sent to over 1,000 writers and broadcasters.
- Based on information kits or background information submitted directly to publishers, special articles have been published in the following journals: Science and Mechanics, Nation's Cities Weekly, Energy Management Magazine, Banking, American Planning Magazine, Electric Light and Power, EPRI Journal (2 articles, one a cover story), Popular Mechanics, National Geographic, GEO, Aquaculture, Science '80, and Hospitals Magazine.
- A supplement on geothermal energy was sent to 120 Sunday newspapers with circulation of over 2,000,000.
- Information kits provided to:
    - The President's Clearinghouse for Community Energy Efficiency
    - National Rural Electric Cooperative Association
    - Energy Extension Service
    - Farmers Home Administration
    - Economic Development Administration
    - Rural Electrification Administration
    - Department of Housing and Urban Development

- New DOE brochure sent directly to:
  - 1,000 State and local energy offices
  - The Energy Extension Service State offices
  - State geologists' journals and newspapers
  - Government officials, utilities, contractors, and educators
- Over 88,000 brochures distributed as a result of direct mailing in first two months after printing
- 30,000 brochures on geothermal energy use in health care facilities distributed to health care administrators and government officials
- Geothermal exhibits presented at 15 major energy conferences and trade association expositions
- Direct mailing of information on geothermal development and DOE programs sent to potential industrial, commercial, and institutional users on the Delmarva peninsula. Result is rapidly growing interest and demand for information, plus large response to DOE solicitation for cooperative project development.
- Legislation promoting or facilitating geothermal energy development passed in 14 States and considered in 4 more States during 1979 legislative sessions. Five additional States are considering favorable geothermal legislation in 1980 sessions.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$152,722,000	$231,000
FY 1980	$149,202,000	$428,000

AGENCY: Department of Energy (DOE)

PROGRAM OFFICE: Technical Information Center (TIC)
Resource Applications

PROGRAM NAME: Technical Information Program

CONTACT: Joseph G. Coyne Tel: (615) 576-1188
Manager
DOE Technical Information Center
P. O. Box 62
Oak Ridge, TN 37830

OBJECTIVES:

Objectives of overall program:

- Collecting, processing, and distributing scientific and technical energy information generated by DOE and worldwide organizations for use by diverse, decentralized programs and projects with emphasis on industrialization and commercialization

- Promoting and developing advanced information handling and processing technologies that will result in improved effectiveness of DOE energy programs

- Disseminating scientific, technical, and practical energy information including information appropriate for industrialization and commercialization to a broad community of users among DOE offices, contractors, State and local governments, industry, academia, and the general public, taking maximum advantage of referral and networking

- Enhancement of outreach and secondary distribution services in response to a changing national need for greater energy conservation and use of alternative energy sources

- Information and technology transfer, including determining and prioritizing needs, designing, publishing, marketing, and disseminating new products, and industrialization efforts describing technologies that are ready to be implemented in the near term

Objectives of energy outreach component:

- To manage the Department's scientific and technical publications so that the results of the Department's energy research development and demonstration efforts are available to persons and organizations concerned with the country's energy program

- To provide general and practical energy information to U.S. public, teachers, industry, and communities

- To produce and market publications aimed at specifically targeted industries so that technology developed by the Department or others may be transferred most directly and efficiently to those components of industry concerned with energy conservation and alternate sources of energy

DESCRIPTION OF PROGRAM:

Description of overall program:

- The DOE Technical Information Center's overall program is to plan, develop, and administer technical information programs and systems and to acquire, publish, process, store, retrieve, announce, and distribute technical information generated throughout the world in support of DOE programs and activities. The Center is a national center for scientific, technical, and industrial as well as practical energy information, serving the DOE and its contractors; program managers; U.S business, industry, and academic communities; and the general public.

Description of energy outreach component:

- Stores and disseminates public communication publications in single and bulk quantities on request

- Distributes in hard copy and microfiche form technical reports to DOE, its contractors, and to NTIS for sale to other organizations and citizens

- Responds to requests from citizens, teachers, industry, and communities for information on energy conservation, alternate energy sources, and other energy subjects

- Provides motion picture films to groups wanting energy information and education

- Exchanges energy information with international organizations and foreign governments

- Produces data bases containing references to energy information, which are leased to U.S. organizations and commercial on-line retrieval systems to provide access to U.S. organizations and citizens

- Produces publications such as abstract and current awareness journals for users who need scientific and technical information concerning R&D projects

- Provides an on-line retrieval system (DOE/RECON) containing more than 20 data bases of energy information to DOE, its contractors, and outreach centers
- Provides access to computer programs and codes in the energy field through the National Energy Software Center
- Produces and markets technology transfer publications aimed at specifically targeted industries

TARGET AUDIENCE(S):

- The Center produces various products containing energy information and provides other services for the scientific and technical community, State and local government, educational community, industry, and the general public.

DELIVERY MECHANISMS:

- Publications are supplied in quantity to organizations and firms, which in turn distribute them to members, employees, and requestors.
- Abstract journals and updates providing bibliographic references to world-wide energy information can be subscribed to through the agency of the Government Printing Office and the National Technical Information Service.
- Energy films are loaned to educational institutions and other organizations, and the only cost is that of return postage.
- Information and technology transfer publications are disseminated to specifically targeted industries, businesses, and professional trade associations for evaluation and implementation.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Approximately 15-20,000,000 publications will be distributed in 1980.
- Approximately 500,000 requests will be responded to in 1980.
- Approximately 150,000 articles and reports will be abstracted, indexed, and announced to users.
- 65,000 films will be loaned by the Technical Information Center.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Informal evaluations are conducted on a routine basis.

Completed:

- A formal user survey was conducted in November 1979.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$ 9,600,000	$2,880,000 (30%)
FY 1980	$10,288,000	$3,293,000 (32%)

AGENCY: ACTION

PROGRAM OFFICE: Older Americans Volunteer Program (OAVP)

PROGRAM NAME: Retired Senior Volunteer Program (RSVP)

CONTACT: Helen Kelley Tel: (202) 254-7310
Director, Older Americans Volunteer Programs
ACTION, Room 1006
806 Connecticut Avenue, N.W.
Washington, D.C. 20525

OBJECTIVES:

Objectives of overall program:

- The Retired Senior Volunteer Program (RSVP) provides a variety of opportunities for retired persons age 60 and over to participate more fully in the life of their community through significant volunteer service.

Objectives of energy outreach component:

- RSVP has been identified as one of ACTION's programs responsible for the dissemination of energy conservation and efficient energy utilization information and assistance. RSVP will also focus on energy equity for the elderly, including services to elderly persons impacted by energy cost and availability.

DESCRIPTION OF PROGRAM:

Description of overall program:

- RSVP provides opportunities for retired persons age 60 and over to serve on a regular basis as volunteers in a variety of settings in their community. RSVP functions under the auspices of an established community service organization with funding, support, and technical assistance provided by ACTION through national, regional, and State offices.

Description of energy outreach component:

- RSVP projects involved in energy activities may:
  - Conduct workshops on energy conservation
  - Perform simple home weatherization
  - Conduct energy audits and provide information on how to do them
  - Develop recycling programs
  - Operate information and referral systems

Energy outreach services:

- Publications and materials - Compendium of ACTION energy projects; lists and describes activities of ACTION's programs in energy
- Exhibits and audiovisual displays - No national displays; individual projects may have exhibits to promote energy conservation locally.
- Workshops, seminars, and conferences - Locally, individual projects may conduct workshops on energy conservation techniques. Nationally, 10 workshops are being planned to train all 682 RSVP Directors to improve their knowledge of what senior volunteers can do in energy conservation and encourage them to implement energy conservation in their projects.
- Technical assistance - Late Fall issue of PRIME TIMES (a periodical published by National Headquarters) was devoted to energy conservation, featuring articles on RSVP projects doing energy activities and including an energy saving how-to guide.
- Energy audits - Locally, Senior volunteers perform energy audits and train others on how to do energy audits.
- Grants - Out of FY 1980 money, 22 new RSVP projects will be funded. These new projects must develop energy components emphasizing activities as outlined above but not necessarily limited to these activities.

TARGET AUDIENCE(S):

For overall program:

- Persons age 60 and over

For energy outreach component:

- Residential - Low income homes and communities throughout the nation
- General public - Poor, elderly, and isolated of the community

DELIVERY MECHANISMS:

- ACTION Regional and State offices handle initial processing of grant applications from public and private nonprofit agencies and, with OAVP staff, provide technical assistance to OAVP projects and sponsors. Services are provided through community organizations, groups that serve at the local level, and volunteers.
- Volunteers are retired and age 60 or over.
- Individuals receiving assistance are primarily elderly and low income.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Alexandria City, Alabama:

  A highly successful recycling program in this rural community was developed by a group of 30 RSVP volunteers. Volunteers assist in the collection and pick-up of newspapers, glass, and various metals. The Recycling Center is open every Thursday, with volunteers working shifts, taking in and processing glass, paper, and aluminum. Income generated by the project, over $500 per month, is put back into the community to meet specific community needs, such as weatherization assistance for the homes of the elderly, handicapped, and disadvantaged persons.

- Manhattan, Kansas:

  In conjunction with Kent State University and Kansas State University, volunteers are involved in the design, planning, and construction of a solar greenhouse. The project represents a united local effort with participation by a wide range of professional and business groups. Upon completion of the project, 20 volunteers will work in the facility, raising fresh fruits and vegetables that will be distributed to poor people in the community.

- Detroit, Michigan:

  About 100 volunteers have received para-professional training and now do community education (workshops/club meetings) on energy conservation. Volunteers conduct energy audits and provide limited home maintenance and weatherization.

- 4,500 RSVPs (of the 274,700 total volunteers serving in 1980) work with elderly persons in their communities nationwide to conduct home energy audits, weatherize their homes, acquire solar and other alternative energy applications, and develop referral and informational systems on energy and conservation.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$20,100,000	Not Available
FY 1980	$26,217,000*	Not Available

*22 new projects will be developed, and each project will include an energy component. In addition, $50,000 has been set aside to conduct 10 regional training workshops for RSVP Project Directors in energy conservation.

AGENCY: ACTION

PROGRAM OFFICE: Domestic Operations VISTA/ACTION Education Programs

PROGRAM NAME: Volunteers in Service to America (VISTA)

CONTACT: Margery Tabankin Tel: (202) 254-7376
Director, VISTA and ACTION Education Programs
806 Connecticut Avenue, N.W., Room 1100
Washington, D.C. 20525

OBJECTIVES:

- To strengthen and supplement efforts to eliminate poverty-related problems in the United States by encouraging and enabling voluntary service that aids in the reduction of poverty

- To promote the more equitable distribution of energy resources by reducing the amount of income that low-income families must devote to energy expenditures

DESCRIPTION OF PROGRAM:

- Encourages people to perform meaningful and constructive volunteer service in agencies and institutions for the benefit of the poor

- Incorporates participation of low-income persons in the decision-making process, as well as in implementation of projects

- Provides energy conservation services through volunteers who assist in winterization and insulation, in education efforts to teach energy-saving methods, in job training and placement with solar construction, in greenhouse cooperatives, and in legal areas concerning utility rates and pollution standards

Energy outreach services:

- Workshops on weatherization, solar technology construction, and conservation

- Practical demonstrations on alternative energy sources

- Technical assistance to plan community-wide energy strategies

- Energy audits of low-income homes

- Use of community organizations to mobilize low-income persons to confront high utility rates

- Conducts local alternative energy fairs

TARGET AUDIENCE(S):

- Low-income residents
- Low-income communities

DELIVERY MECHANISMS:

- VISTA provides nationally and locally recruited volunteers to requesting sponsors, who for the most part are community participation organizations.
- Volunteers, who are full-time, serve one-year terms in public or private nonprofit organizations.
- ACTION State Offices assist potential sponsors in the development and maintenance of VISTA projects.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- A full program evaluation for VISTA was completed in March 1978. Evaluations of many individual VISTA programs and projects have also been completed and are available.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$25,630,000	$1,537,800
FY 1980	$30,500,000	$2,440,000 (est.)

AGENCY: ACTION

PROGRAM OFFICE: Office of Policy and Planning

PROGRAM NAME: Energy Conservation

CONTACT: David Gurr Tel: (202) 254-8420
ACTION
Office of Policy and Planning
806 Connecticut Avenue, N.W., Room 606
Washington, D.C. 20525

OBJECTIVES:

- To demonstrate new ways in which local voluntary activity may lead to increased access to services on behalf of the poor
- To demonstrate innovative ways of energy conservation in which voluntary activities may respond to the needs of the poor and serve as models for new Federally-assigned volunteer programs

DESCRIPTION OF PROGRAM:

- Provides grants to nonprofit organizations to allow them to conduct demonstration programs designed to stimulate and initiate improved methods of providing volunteer services, to encourage wider volunteer participation on a full-time, part-time, or short-term basis to assist in antipoverty efforts

Energy outreach services:

- Assist in alternative technology/energy fairs
- Curriculum for elementary energy conservation education
- Statewide energy awareness week
- Construction of greenhouses and solar collectors
- Assist low-income groups and persons to conserve energy, weatherize homes, and use solar applications

TARGET AUDIENCE(S):

- Low-income persons
- Low-income homes
- Primary schools
- Low-income organizations

DELIVERY MECHANISMS:

- ACTION's Office of Policy and Planning reviews grant applications from State and local organizations submitted in response to a Request for Proposal
- Services are provided through local community organizations or groups using volunteers and technical staff

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Constructed twelve greenhouses in the city of Chicago; east Tennessee; southeast Utah; and Providence, Rhode Island
- Established a wood heat cooperative in Portland, Maine, and an oil-buying cooperation in New York City, both of which offer their members a 30 percent reduction below current market prices
- Full-time volunteers provide information on alternative energy applications to small farms in contiguous portions of the States of Nebraska, South Dakota, and Minnesota
- Using volunteers, developed a variety of approaches to increase community awareness of the need for energy conservation and of energy conservation methods

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Completed an informal process involving the on-site observation of activities and interviews with staff, volunteers, and recipients
- Measured outreach activities, their costs, and client response to the outreach services provided
- Other periodic written reports are provided by demonstration project sponsors

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$1,500,000	$450,000
FY 1980	$1,500,000	$563,800

AGENCY: U.S. Department of Agriculture (USDA)

PROGRAM OFFICE: Science and Education Administration (SEA) Extension

PROGRAM NAME: Cooperative Extension Service (CES) 50 States, 3,150 County Offices, Virgin Islands, Guam, Puerto Rico, and District of Columbia

CONTACT:
Glenda Pifer Tel: (202) 447-7273
Science and Education Administration - Extension
Department of Agriculture
Room 6813, South Building
14th Street & Independence Avenue, S.W.
Washington, D.C. 20250

OBJECTIVES:

Objectives of overall program:

- To provide program leadership in the production and marketing of agricultural products, management of resources related to agriculture, and improvement of environmental quality of rural areas
- To provide leadership in helping communities identify problems, explore alternative solutions, and study cost/benefits
- To provide programs that enhance the quality of living for families at all levels of society
- To provide educational opportunities for youth through 4-H and youth programs

Objectives of energy outreach component:

- To provide programs that will help individuals and families reduce energy consumption and costs through improved management and conservation practices related to family residences, production, distribution, and marketing of food and fiber
- To provide information about renewable energy sources in order that their use may be implemented
- To provide research information about the production of alcohol from biomass and its potential use
- To help local communities and governments reduce energy consumption and explore alternate renewable energy resources
- To provide energy educational opportunities for youth through 4-H programs

DESCRIPTION OF PROGRAM:

Description of overall program:

- Cooperative Extension Service programs provide information and educational opportunities to help individuals and families improve their quality of life in the agriculture sector, the home, and the community, and to maintain an efficient food and fiber system.

Description of energy outreach component:

- Energy implications are interpreted into all program areas in order that individuals and families can make informed decisions about conservation, use of renewable energy, and on-farm production of energy.

Energy outreach services:

- Publications and materials - Cooperative Extension Service publications are primarily produced at the State or regional level by specialists to ensure accuracy and appropriateness of information for the location.

- Exhibits and audiovisual displays - Exhibits and audiovisual displays are produced by the Cooperative Extension Service to support and enhance its programs and to reach larger audiences.

- Curriculum development - Programs are developed at the local and State level with input from potential audiences to ensure that local needs are being addressed.

- Workshops, seminars, and conferences - CES throughout the country holds hundreds of workshops, seminars, and conferences. This teaching method is used for both staff training and in providing information for the general public.

- Practical demonstrations - Demonstrations are used as one effective teaching method.

- Energy audits - Cooperative Extension Service in many States provides energy audits. In some States, computerized audits are done, and in other States, walk-through audits are done with the resident.

TARGET AUDIENCE(S):

For overall program:

- Agriculture - production of food and fibers

- Families, primarily rural and urban, with some work in metropolitan areas

- Local communities

- Youth

For energy outreach component:

- General public - Same as above. Energy implications are interpreted into all program areas.

- Residential - Family living, food and nutrition, and housing programs reach the residential sector throughout the country.

- Business and industry (general) - Agri-business

- Small commercial and industrial firms - Trade associations and commodity groups

- Local government - Staff specialized in community development work with local governments

- State government - CES staff serve on advisory committees to the State government in many States.

- Federal Government - Staff at the Federal level serve on many advisory and coordinating committees within and across Departments.

- Agriculture - The cooperative system provides comprehensive educational programs for the entire agriculture sector.

- Transportation - The CES community development programs assist rural areas and small communities with analysis and planning in many areas.

- Trade and professional groups - CES programs work with trade and professional groups at all levels.

- Teachers and/or students - While teachers and students are not a primary audience for CES programs, staff in many States provide some staff assistance and educational materials for use in schools.

- Health, education, or research institutions - Cooperative Extension Service programs are based on research results from the Land-Grant College System and other reliable sources. CES also identifies research needs and relays this to the research units.

- Community and other nonprofit groups - Cooperative Extension Service works with community groups and serves in a referral capacity for other programs, i.e., home weatherization loan programs, grant and subsidy programs, etc.

DELIVERY MECHANISMS:

- The Cooperative Extension Service has a small staff (120) at the Federal level; approximately 4,500 specialists, program leaders, and administrators at the State level; and approximately 10,000 staff at the county level. The Cooperative Extension Service has an office in almost every county in the U.S. and several offices in some of the large metropolitan counties. In addition, paraprofessionals are employed, and volunteers assist with extending the programs at the local level.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Reduce energy consumption through more efficient operation of farm powered equipment
- Minimum tillage to reduce energy used to produce food and fiber
- Demonstrate the use of solar energy for grain drying and heating farm structures, including family housing
- Efficient management of energy used in the irrigation process, especially the pumping of water and improving water use efficiency
- Reduce energy requirements in housing by weatherization, remodeling and planning energy-efficient new housing
- Reduce energy consumption in family living by improving the management skills used in the household operation, recreation, entertainment, and transportation
- Develop positive attitudes toward energy education and help families make adjustments toward a less energy intensive lifestyle
- Increase knowledge of alternative energy sources
- Explore wood and other agricultural products as a substitute for fossil fuel
- Assist communities and local government to take action which will bring about more efficient use of energy
- Help communities and local government look at the public policy issues involved in energy needs, costs, and alternatives

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Programs in the States are continuously being evaluated. CES energy programs are currently being reported on a computer. Program data will be more readily available as this pilot effort is further improved.
- Measuring outreach activities or services and their costs - Some specific programs are evaluated this way. This is difficult because energy implications are only a part of CES educational programs.
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources

Completed:

- A recent comprehensive national program evaluation study of the Cooperative Extension Service has been completed.
- Measuring energy savings - This type of evaluation has been done for some specific programs. The potential for saving energy is considered as a part of the program development process.

Since energy implications are a part of all of the CES areas, no attempt has been made to separate out and evaluate just that part of all programs. In most instances, evaluation is built as a part of the program development process and is not budgeted separately. This information may be available for some of the special programs that CES has done, but data are not available nationally at this time.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$253,000,000*	$15,000,000**
FY 1980	$271,000,000*	$22,380,000**

*U.S.D.A. funds only, including personnel costs.
**Estimates: amounts indicate Smith-Lever Formula funds from Federal, State, and county levels; funds secured from DOE pass-through to U.S.D.A.; Energy Extension Service grants secured in States; and other State and local funds for energy education.

AGENCY U.S. Department of Agriculture (USDA)

PROGRAM OFFICE: Forest Service

PROGRAM NAME: Forest Biomass Energy Program

CONTACT: John R. Hornick Tel: (202) 447-4821
Coordinator, Forest Biomass Energy Program
USDA Forest Service
P. O. Box 2417
Washington, D.C. 20013

OBJECTIVES:

Objectives of overall program:

- Achieve improved management of forest lands through more complete utilization of the resource for forest products, including energy
- Provide an additional 5 quads of energy from forest biomass by 1990
- Achieve net energy self-sufficiency in the growth and production of forest products

Objectives of energy outreach components:

- Contribute to conservation of energy by promoting more efficient management, harvest, processing, and transport of forest products
- Demonstrate commercially practical harvesting, processing, distribution, and use of fuelwood or fuels from woody biomass
- Provide technical assistance to landowners and suppliers and advice to users of forest biomass-based fuels
- Coordinate technical assistance efforts with extension programs of USDA and DOE
- Support State technical assistance programs with grants

DESCRIPTION OF PROGRAM:

Description of overall program:

- Program provides technical assistance to wide variety of producers, processors, and users of forest products through and in cooperation with State Forestry agencies.
- Forest Service provides funds and technical support to State staff.
- States provide matching funds and administration of program activities.

Description of energy outreach component:

- Conduct efficiency studies and recommend improvements. Provide technical inputs to training and extension efforts in efficient growing, harvesting, processing, and use of wood and wood products. Demonstrate wood fuel harvest and supply systems. Provide technical assistance to landowners and the wood industry.

Energy outreach services:

- Publications and materials - Research publications on availability, harvesting, processing, drying, handling, and use of woody biomass for fuel or chemicals. Fuel Value Calculators.
- Exhibits and audiovisual displays - TV series on firewood, radio spots, slide-tape productions
- Curriculum development - Through professional societies
- Workshops, seminars, and conferences - National, Regional, and State
- Practical demonstrations - Special timber sales. Equipment and systems demonstrations in harvesting, processing, and handling
- Technical assistance - Over 500 State and Federal specialists provide assistance to landowners, producers, manufacturers, and users of wood.
- Grants - Grants are made to States on a matching basis to carry out outreach activities.

TARGET AUDIENCE(S):

- General public
- Residential
- Business and industry (general)
- Small commercial and industrial firms
- Local government
- State government
- Federal government
- Agriculture
- Transportation
- Trade and professional groups

- Teachers and/or students
- Community and other nonprofit groups
- Forest products industry
- Forest landowners and consultants

DELIVERY MECHANISMS:

- Professional societies
- State forestry organizations
- Consultants
- Ntional Forest system

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Forest Products Research Society conducted 6th International Wood Energy Symposium, drawing 800 industry and Government attendees. FPRS also spawned several regional workshops aimed at specific audiences.
- Studies at over 700 sawmills have resulted in processing efficiency improvements of 7 percent on the average.
- Production and cost studies were conducted on 11 salvage sales in the Northwest to establish delivered cost of wood fuel with current equipment.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources
- Measuring client response to the outreach services provided
- Measuring energy savings

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$17,527,000	$1,200,000
FY 1980	$17,200,000	$3,148,000

AGENCY: Department of Commerce (DOC)

PROGRAM OFFICE: Office of Development Organizations and Planning
Economic Development Administration (EDA)

PROGRAM NAME: Professional Services Program

CONTACT: David S. Maney Tel: (202) 377-2418
Chief, District Program
Office of Development Organizations and Planning
Economic Development Administration
Department of Commerce, Room 6119
14th Street and Constitution Avenue, N.W.
Washington, D.C. 20230

OBJECTIVES:

- To provide technical assistance on energy conservation and alternate energy sources to local governments by Economic Development Districts
- Assist in energy conservation and resource development planning

DESCRIPTION OF PROGRAM:

- The Professional Services Grant Program strengthens the economic development capacity of local governments. Professional Services Grants permit an Economic Development District to provide specific economic development services to local governments within the framework of, and drawing upon, the total District program.
- Assists in development of energy conservation programs and use of alternate energy sources, energy audits, and impact planning and assessment
- An energy information interchange network for all Economic Development Districts has been established.

Energy outreach services:

- Publications and materials
- Exhibits and audiovisual displays
- Workshops, seminars, and conferences
- Practical demonstrations
- Technical assistance

TARGET AUDIENCE(S):

- Local governments, communities, and industries
- General Public
- Residential
- Agriculture

DELIVERY MECHANISMS:

- Staff energy specialists of the Economic Development District provide professional assistance.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Measures the impact of the outreach services on client conservation action and on conversion to renewable energy sources; client response to the outreach services provided; and energy savings

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$585,000	$150,000 (est.)
FY 1980	$500,000	$200,000 + $200,000**

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*Includes staff other than DOC personnel

**DOE transfer to EDA; special initiative to help local governments incorporate energy conservation components in economic development planning efforts and to expand private sector job-creating efforts through this activity.

AGENCY: Department of Commerce (DOC)

PROGRAM OFFICE: Office of Technical Assistance
Economic Development Administration (EDA)

PROGRAM NAME: Technical Assistance

CONTACT: Mr. Daniel F. Harrington Tel: (202) 377-5111
Acting, Director
Office of Technical Assistance
Economic Development Administration
Department of Commerce, Room 7844
14th Street and Constitution Avenue, N.W.
Washington, D.C. 20230

OBJECTIVES:

In economically depressed areas of the U.S.:

- To stimulate economic growth
- To generate employment opportunities
- To save threatened jobs
- To improve the standard of living
- To stimulate increased capital investments in the private sector

DESCRIPTION OF PROGRAM:

Description of overall program:

- Provides feasibility studies of new approaches to economic development
- Studies area's human resources and how best to use them
- Addresses community problems, including energy conservation
- Provides technical and management assistance to businesses, communities, and development organizations, through 32 university extension centers in 28 States
- Provides technical information

Description of energy outreach component:

- Publications and materials dealing with a firm's specific problems
- Exhibits and audiovisual displays designed to meet the needs of a particular firm

- Workshops, seminars, conferences
- Technical assistance and energy audits tailored to specific firms

Energy outreach services:

- Publications and materials - Wide variety
- Exhibits and audiovisual displays - Wide variety
- Curriculum development - Solar energy, nuclear technician
- Workshops, seminars, and conferences - Wide variety
- Practical demonstrations - Conducted by field agents employed by the 32 university extension centers
- Technical assistance - Involves a broad range of management and technical services, including engineering services to firms
- Energy audits - Tailored to specific firm's needs
- Grants - Must meet the objectives of the overall technical assistance program stated above. Grants are provided to universities, governmental, and nonprofit organizations.
- Contracts are also used to furnish necessary assistance to applicants.

TARGET AUDIENCE(S):

For overall program:

- Small and medium-sized firms that cannot afford consulting services, State and local governments, public and private profit and nonprofit organizations

For energy outreach component:

- General public - Primarily the business community, to stimulate economic growth
- Business and industry (general) - Small and medium-sized manufacturing firms that cannot afford consulting services
- Small commercial and industrial firms - Focuses on manufacturing firms
- Local government - Aims to help local governments function more efficiently in direct support of economic growth
- State government - Helps State governments support economic growth

- Federal government - Programs are often linked to joint efforts with other Federal agencies, such as SBA, FHA, HUD.
- Agriculture - Programs may support agribusiness development to stimulate growth in rural areas.
- Transportation - Programs have in the past supported selective railroad revitalization to stimulate economic growth
- Trade and professional groups - Aims at helping members build a continuing capacity for economic development
- Teachers and/or students - Has trained instructors in solar energy education, but the chief beneficiary is the business community
- Community and other nonprofit groups - Helps strengthen local capacity for economic development in rural and urban areas

DELIVERY MECHANISMS:

- Managed by the Office of Technical Assistance in conjunction with six EDA Regional Offices
- Consulting services are provided by university extention centers in colleges and universities, as well as by nonprofit organizations
- Services are delivered primarily by university extension field agents with business and engineering backgrounds. Involves mixture of full-time staff and faculty

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Aid to specific firms is part of solving a firm's operational problems.
- Technical assistance is aimed at overcoming problems blocking growth.
- Success is usually measured in the number of jobs created or saved each year, as well as amount of capital investment stimulated in the private sector.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring outreach activities or services and their costs
- Measuring client response to the outreach services provided

- Independent evaluations of the university center program are being accomplished by Bentley Clark Associates, as well as the U.S. General Accounting Office, but the focus is not on energy activities.

- The evaluations will recommend improved evaluation methodologies.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$13,600,000	Not Available
FY 1980	$10,500,000	Not Available

AGENCY: Department of Commerce (DOC)

PROGRAM OFFICE: U.S. Commercial Service (USCS)
International Trade Administration (ITA)

PROGRAM NAME: Energy Projects Outreach

CONTACT: J. Raymond DePaulo Tel: (202) 377-3641
Deputy Assistant Secretary for the U.S. Commercial Service
International Trade Administration
Department of Commerce, Room 4808
14th Street and Constitution Avenue, N.W.
Washington, D.C. 20230

OBJECTIVES:

Objectives of overall program:

- To be responsive to business inquiries on energy-related problems

Objectives of energy outreach component:

- To assist business organizations in identifying sources of assistance in energy-related problems. Inquiries are directed to DOE or specific Department of Commerce programs, such as Energy-Related Inventions in the National Bureau of Standards.

DESCRIPTION OF PROGRAM:

- Through its network of 47 District Offices, assists business organizations in identifying sources of assistance in energy-related problem

TARGET AUDIENCE(S):

- U.S. business community

DELIVERY MECHANISMS:

- Through a network of 47 District Offices throughout the United States and Puerto Rico

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Not Available	Not Available
FY 1980	Not Available	Not Available

AGENCY: Department of Commerce (DOC)

PROGRAM OFFICE: Office of Sea Grant, National Oceanic Atmospheric Administration (NOAA)

PROGRAM NAME: National Sea Grant College Program

CONTACT:
Robert Shephard Tel: (301) 443-8886
Associate Director, NMAS
National Sea Grant College Program
National Oceanic Atmospheric Administration
Department of Commerce
6010 Executive Boulevard
Rockville, MD 20852

OBJECTIVES:

Objectives of overall program:

- To provide assistance to persons responsible for the development, management, and use of ocean and coastal resources

Objectives of energy outreach component:

- To assist such users to understand and apply methods for conserving energy in homes, industries, schools, fishing vessels, etc.
- To inform users of the cost benefits of energy conservation

DESCRIPTION OF PROGRAM:

- Marine Advisory Service (MAS) or Extension Programs are operating in 27 of 30 coastal and Great Lakes States, the 11 South Pacific Nations, and the Trust Territories, as well as Puerto Rico.
- Makes matching grants, primarily to universities and colleges, for marine and Great Lakes research, education, and advisory services
- Assists those involved in and responsible for development, utilization, and management of ocean/coastal resources, including energy conservation and related problems
- Assists in the improvement of management practices, training, education, and technical assistance (i.e., helps improve fishing industry techniques)
- Acts as public liaison between industry and government

- Marine Advisory Service personnel provide information through workshops, seminars, mass media (newspapers, radio, television), MAS publications (manuals, technical reports, newsletters, brochures, audiovisuals, etc.) to general public and to specific user groups, including public school teachers.

- MAS personnel provide person-to-person contacts through workshops, adult education courses and seminars, and one-on-one at user places of business, homes, or recreation sites.

Energy outreach services:

- Publications and printed materials - Manuals, technical reports, brochures, and marine advisory bulletins on how to conserve energy in homes, in seafood processing plants, aboard ships, at marinas, etc. (34 publications just on energy conservation related to fisheries)

- Audiovisual displays - Movies, videotapes, slide-tape shows, film strips, posters, exhibits on conservation techniques and needs

- Curriculum development - MAS specialists and Sea Grant researchers work with public school teachers and administrators at local, State, and national levels to develop materials for school use.

- Workshops, seminars, and conferences - MAS specialists and Sea Grant researchers develop technological information and procedures for energy conservation that are developed into manuals, etc., and are taught in specially arranged workshops, etc.

- Technical assistance - The technical information used is often developed when an MAS agent works with one individual firm to solve a specific problem, e.g., high electricity use of that firm. Techniques developed are then formulated into a manual for others' use.

- Energy audits - For example, the MAS specialist or agent may survey an individual processing plant, identifying places where power or electricity is being wasted or underutilized, and make specific recommendations for improvement.

- Grants - A number of individual projects have been funded through the various Sea Grant programs to address specific energy conservation problems.

TARGET AUDIENCE(S):

- General public - All users of the coastal environment, including sports fishers, boaters, school children, swimmers, beachcombers, surfers, water skiers

- Residential - Citizens/residents of coastal and Great Lakes States

- Business and industry (general) - Water transportation, ports, offshore mining, fisheries, marinas, etc.

- Small commercial and industrial firms - Seafood processors and marketers, commercial fishermen, marina operators, etc.

- Local government - Coastal-regional managers/planners, waste water treatment operators, marine/natural resources agencies, health departments, etc.

- State government - Health departments/Coastal Zone managers/planners, transportation and port officials, fish and wildlife, natural resources, etc.

- Federal government - DOE, DED, CG, USDA, CES, Navy, DOI, other NOAA, other Commerce

- Agriculture - CES agents/staffs across U.S.

- Transportation - All industries using water-borne transportation including oil, ports, travel agencies, resorts, etc.

- Trade and professional groups - All organizations related to marine resources in any way

- Teachers and students - Public schools, colleges, universities, trade and technological training, etc.

- Health, education, or research institutions - Health departments, universities, etc.

- Community and other nonprofit groups - All organizations for wise use and conservation of marine resources

DELIVERY MECHANISMS:

- MAS agents work through organized Sea Grant programs; CES offices; rescue squads; public schools; universities; government offices, including DOI, CES, Navy, USDA, NOAA, DOE, DED, DOC, USCG; and private organizations such as the Red Cross to bring information to one or more components of the general public or to individuals. MAS agents/specialists have advanced degrees or experience in one or more marine fields. They serve all types of individuals: teachers, students, industrialists, bureaucrats, elected officials, homemakers, college professors, researchers, fishermen, etc.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- An economic model relating fishing costs to vessel characteristics and operating conditions has been developed to estimate the costs and benefits to U.S. fishermen of harvesting groundfish under a variety of conditions. Comparisons can be made between a) vessel types, b) modes of operation, and c) fishing strategies in Alaskan waters.

- Research is being conducted on the economics of production and marketing in the commercial fish (shrimp) industry to develop economic data for use by individual vessel owners and by the industry as a whole to examine the impact of alternative management strategies. Costs and returns data for vessels of various classes and types provide a guideline for operating and investment decisions by owners.

- Oregon State University is applying fisheries engineering solutions involving on-board processing and stowage to allow for more efficient fishing operations, expanded markets, and production of a higher quality product.

- Mainly through the efforts of the University of Georgia and University of North Carolina Sea Grant Marine Advisory Services, shrimp fishermen in the southeast have adopted twin trawls for shrimp fishing. Tests have demonstrated that the twin trawl system maintains a higher catch rate than the standard gear and is more maneuverable than the traditional double trawl rig. The increased efficiency is attributable to increased towing speed. The smaller nets and smaller trawl doors offer less resistance; therefore, towing speeds are higher for any given throttle setting and the boats get more miles per gallon of fuel.

- The University of Rhode Island Sea Grant College Program has a major objective to educate fishermen about better harvesting and fish handling techniques and new or improved gear and equipment. To that end, they have conducted demonstrations for fishermen involving vessel propulsion nozzles, Danish/Scottish seining, bottom and midwater pair trawling, and outboard power take-off, and have recently conducted a conference on energy conservation methods for fishermen.

- Massachusetts Institute of Technology is conducting final tests on a low drag trawl door that has the potential of saving 20-30 percent of the fuel normally used in the dragging operation. In addition, efforts are underway to develop other low drag components (such as nets) of the trawling system and to consider sail assistance for fishing vessels.

- An oceanographer at the National Environmental Satellite Service and a Sea Grant Marine Advisory Agent initiated a project to convert infrared satellite imagery into sea surface temperature maps to assist tuna and salmon fishermen in finding their quarry more rapidly, thereby reducing the fuel consumption generally involved in searching randomly for the fish.

- University of California-Davis researchers are working on conserving energy in shrimp processing plants by developing methods for process water recycling.

- A Georgia fisherman, traditionally one who is classified as a close in-shore shrimp fisher, has - using the advice and expertise of Sea Grant Marine Advisory personnel - remarkably increased his offshore finfish catch from a little over 400 pounds on the first trip to over 30,000 pounds for one ship in three trips. He thus increased the catch/value per unit of energy by a significant number. Other fishermen using the same information have also increased by a wide margin their catch per unit effort.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

As part of regular on-going evaluation that each Marine Advisory program carries out annually:

- Measuring outreach activities or services and their costs
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources
- Measuring client response to the outreach services provided
- Measuring energy savings

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach**
FY 1979	$35,000,000	$10,000,000 (approx.)
FY 1980	$38,604,000	$10,000,000 (est.)

*Includes personnel costs.

**No separate breakdown of energy services from total MAS effort.

AGENCY: Community Services Administration (CSA)

PROGRAM OFFICE: Office of Community Action, Energy Division

PROGRAM NAME: Emergency Energy Conservation Services

CONTACT: Richard M. Saul Tel: (202) 632-6503
Chief, Energy Programs
Office of Community Action
Energy Division
Community Services Administration
Room 334
1200 19th Street, N.W.
Washington, D.C. 20506

OBJECTIVES:

Objectives of overall program:

- To promote energy conservation and lessen the impact of high energy costs on low-income individuals and families

Objectives of energy outreach component:

- To enable low-income individuals and families, including the elderly and the near poor, to participate in energy conservation programs for their own energy education, cost benefits, and reduction of individual and family energy consumption

DESCRIPTION OF PROGRAM:

Description of overall program:

- Develops community-based programs to deal with energy-related problems
- Mobilizes resources within States and communities to help the poor deal with the energy crisis through innovative community structures and technologies appropriate to their needs and resources

Description of energy outreach component:

- Major outreach components include but are not limited to: crisis intervention assistance; mediation with utility companies; consumer information, education, and legal assistance; and development and application of alternate energy technologies, such as solar windpower and methane digestors.

- In FY 81, CSA will fund a $4 million accidental hypothermia program in 15 northern States serving approximately 10,000 households. Activities the project will focus on include, but are not limited to, an energy assessment of the target home and provision of a personal "kit" of appropriate clothing such as thermal underwear, quilted vests, and blankets for in-home use.

- CSA will support a program to supply emergency energy conservation kits to eligible persons at or below CSA's poverty guidelines.

- CSA will also fund a solarization program in two components: the first component will be to make available local initiative grants for materials for solar devices to be used for installations on the homes of the poor and the elderly. Activities include but are not limited to hot water heaters, air heaters, and south wall glazing. The second component will call for CSA to support six solar resource centers, which will provide workshop training, technical assistance, design services, and system monitoring and evaluation assistance to the operational grantees.

Energy outreach services:

- Publications and materials - CSA distributes to the public various energy-related guidebooks and manuals, which include: energy education, energy conservation, community energy planning, solar guidebooks, several self-help booklets.

- Exhibits and audiovisual displays - The CSA is currently advertising an energy conservation film created by the Urban Services Agency in Baltimore, Maryland, through funds from CSA to promote conservation and energy education.

- Curriculum development - The CSA will soon publish an energy education guidebook for use in broad educational institutions and for consumer information and education as well.

- Technical assistance

- Energy audits

- Grants

TARGET AUDIENCE(S):

- Low-income individuals and families and the elderly

DELIVERY MECHANISMS:

- CSA's energy programs are coordinated by CSA's Office of Community Action, which is assisted by a planning committee composed of representatives from operating programs and regional State offices. Operating programs are funded through 10 Federal regional offices, each of which has an energy coordinator responsible for training and technical assistance functions, program guidance, and reporting quality control. Research, demonstration, and evaluation activities are funded through Headquarters.
- This program is carried out by local community action agencies (CAAs) and State Offices of Economic Opportunity. There are 900 local programs, covering approximately 90 percent of the Nation's counties. The 110,000 CAA staff members are trained in a variety of outreach program activities.

BUDGET*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$210,000,000 (est.)	$4,000,000 (est.)
FY 1980	$273,700,000 (est.)	$1,300,000 (est.)

*Includes personnel costs

AGENCY: Community Services Administration (CSA)

PROGRAM OFFICE: Office of Community Action, Energy Division

PROGRAM NAME: Consumer Protection and Education

CONTACT:
Miriam Charnow Tel: (202) 632-6503
Office of Community Action
Energy Programs
Community Services Administration
Room 334
1200 19th Street, N.W.
Washington, D.C. 20506

OBJECTIVES:

- To improve the quality, delivery, and pricing of energy-related goods and services used by low-income persons

DESCRIPTION OF PROGRAM:

- Provides programs of energy conservation and education which will enhance the effectiveness of conservation measures applied to dwellings through adoption of energy conservation practices by residents

- Uses national demonstrations to assist low-income persons to use the most effective educational measures available for energy conservation

TARGET AUDIENCE(S):

- Low-income persons, including the elderly

DELIVERY MECHANISMS:

- This program is coordinated by the Office of Community Action and carried out by selected community action agencies, other low-income groups, and State Offices of Economic Opportunity.

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$500,000 (est.)	$257,000
FY 1980	$500,000 (est.)	$500,000 (est.)

*Includes personnel costs

[redacted]

AGENCY: Department of Education

PROGRAM OFFICE: Office of Educational Research and Improvement

PROGRAM NAME: Energy and Education Action Center (EEAC)

CONTACT: Dr. Wilton Anderson, Director Tel: (202) 472-7777
Energy and Education Action Center
Room 514, Reporters Building
400 Maryland Avenue, S.W.
Washington, D.C. 20202

OBJECTIVES:

- To provide technical assistance and information to schools, post-secondary, and other educational institutions in order to encourage and promote energy conservation in educational facilities
- To assist and encourage the development or adoption and dissemination of supplementary curricular materials in order to increase awareness and understanding of the multidisciplinary nature of energy and the environment
- To encourage and support the in-service training of teachers, administrators, and other members of the educational community in areas dealing with energy awareness and understanding, conservation, and the environment
- To identify and support programs in career and vocational education which address energy-related employment opportunities

DESCRIPTION OF PROGRAM:

- Serves as the point of focus for a Federal government educational response to the challenges confronting schools and colleges, created by emerging realities
- Promotes all phases of energy education or related activities on an interagency basis by drawing upon all relevant Federal, State, and local resources to assist educational clientele in implementing energy plans
- Applies solely to formal educational services administered within K-12 and post-secondary (colleges and universities) educational institutions

Energy outreach services:

- Clearinghouse for energy and educational materials
- Selected films and film catalogues
- Exhibit materials provided for conferences
- Encourages schools and universities to incorporate energy matters into existing curricula
- Sponsors and participates in workshops, seminars, and conferences
- Liaison with DOE school grants program

TARGET AUDIENCE(S):

- Educational clientele including principals, administrators, deans, Federal program officers, physical plant managers, professors, teachers, researchers, students, education organizations, SEA's, and LEA's
- Center maintains a standing subcommittee relationship with Federal governmental agencies through the Federal Interagency Committee on Education's (FICE) Subcommittee on Environmental Education and through interagency agreements with respective subject agencies.
- Agriculture
- Transportation
- Education institutions
- Community and other nonprofit groups

DELIVERY MECHANISMS:

- Conference convening, participation, and presentations
- Organizations such as AASA, EFL, ERIC, ECS, Resource Materials Center, SAFA Schools, D.C. Public Schools, black colleges, SEED schools, National Science Teachers Association, League of Women Voters, Audubon Society, and the Energy Task Force
- Individuals representing the leadership of participating trade and professional organizations are briefed on EEAC services and encouraged to become members of technical assistance teams, and are utilized in advisory capacities further to promote energy awareness and conservation in the nation's schools and colleges.
- Regional liaison network personnel

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Energy education resource materials dissemination
- Computer terminal response capability/data base access
- National conference: Meeting Energy Workforce Needs
- Curricular energy management publications
- Hotline Services
- A Selected Guide to Federal Energy and Education Assistance
- National Energy and Education (Interstate and Interregional) Network
- Assisted with implementation of Executive Order 12185-Conservation of Petroleum and Natural Gas
- Interagency Agreement with DOE
- Exhibitor: Earth Day 1980

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Presently the evaluation focuses on an analysis of services provided. Activities and materials are logged and follow-through maintained by the appropriate staff members. Number of requests, nature of contracts, and source or identity of clientele are recorded.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$173,400	$173,400
FY 1980	$ 67,000	$ 67,000

AGENCY: Environmental Protection Agency (EPA)

PROGRAM OFFICE: Office of Research and Development (R&D)
Office of Environmental Engineering and Technology
Energy Pollution Control Division

PROGRAM NAME: Environmental Aspects of Industrial Energy Conservation Methods

CONTACT: Benjamin L. Blaney Tel: (513) 684-4417
Alternate Energy Sources Branch
Industrial Environmental Research Laboratory
Environmental Protection Agency
26 W. St. Clair Street
Cincinnati, Ohio 45268

OBJECTIVES:

Objectives of overall program:

- Identify and analyze the environmental problems and benefits associated with the implementation of energy conservation and the use of renewable resources in industry and in energy supply systems
- Identify and analyze means of energy conservation or renewable resource usage in industrial pollution control technology

Objectives of energy outreach component:

- To identify, develop, and promote energy use alternatives for enhanced pollution control in the industrial sector
- To provide technical information to the industrial sector on the environmental aspects of energy conservation

DESCRIPTION OF PROGRAM:

Description of overall program:

- Conducts research into technologies and practices associated with industrial energy conservation practices and use of renewable resources
- Provides technical advice within the Agency concerning environmental impacts of these sectors of technology

Description of energy outreach component:

- Conducts applied research studies in pollution controls for optimum energy utilization within industrial sector
- Provides technical information on specific technologies
- Provides technical reports to the industrial sector on environmental aspects of energy conservation

Energy outreach services:

- Publications and materials - Research project reports, research briefs, journal articles
- Workshops, seminars and conferences - For gathering information from and disseminating it to business, government officials, and the public, on issues and technical data related to the environmental impacts of energy management. Activities held on an "as-needed" basis.
- Technical assistance - Provided to business, government agencies, and the public as requested. Technical expertise covers environmental impacts of energy management.

TARGET AUDIENCE(S):

For overall program:

- Primarily EPA Regional and Program Offices
- Also other Federal, State and local agencies, industries, and the public

For energy outreach component:

- Business and industry (general) - Subcategorized by Standards Industrial Code. Chosen by applicability of information developed in research program.
- Local government - Agencies dealing with environmental impacts and energy management of industrial and energy supply systems
- State government - Agencies dealing with energy management and environmental impacts of industrial and energy supply systems
- Federal government - Agencies dealing with energy management and environmental impacts of industrial and energy supply systems
- Trade and professional groups - Pollution control, industrial and energy supply

[redacted]

DELIVERY MECHANISMS:

- Research papers and reports are disseminated through Office of R&D, NTIS, EPA Technical Information System, and trade magazines.
- Office of R&D participates in technical conferences and workshops.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Industrial Environmental Research Brief: "Environmental Considerations of Energy-Conserving Industrial Process Alternatives" (December 1979)

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$200,000	$10,000 (est.)
FY 1980	$200,000 (est.)	$10,000 (est.)

AGENCY: Environmental Protection Agency (EPA)

PROGRAM OFFICE: Office of Solid Waste (OSW)

PROGRAM NAME: Resource Recovery Implementation Program

CONTACT: Steve Levy Tel: (202) 755-9140
Chief, Resource Recovery Branch
State Programs and Resource Recovery Division
Environmental Protection Agency, Room 2616
401 M Street, S.W.
Washington, D.C. 20460

OBJECTIVES:

Objectives of overall program:

- To accelerate the Nation's resource recovery program
- To provide environmentally sound alternatives to solid waste disposal
- To assist economically distressed urban areas in implementing resource recovery programs pursuant to the President's urban policy

Objectives of energy outreach component:

- To publish technical and management reports for free distribution
- To evaluate energy recovery systems
- To conduct workshops and seminars for public officials and consultants to shorten the decision-making process
- To provide grant support
- To make consultant teams available to public agencies through EPA regional offices

DESCRIPTION OF PROGRAM:

- Evaluates, develops, and disseminates information on the technical and institutional aspects of resource recovery
- Supports feasibility analyses, procurement planning, and procurement of hardware for resource recovery facilities
- Provides grants annually to State and local authorities for feasibility analyses, planning, and procurement
- Conducts seminars, workshops, and conferences to aid in the utilization of resource recovery as a solid waste management tool

Energy outreach services:

- Publications and materials
- Workshops, seminars, and conferences
- Technical assistance - The Resource Recovery Branch sponsors a technical assistance panels program whose legislative authority comes from SEC. 2003 of RCRA. The act provides for technical and financial assistance for the development of management plans and facilities for the recovery of energy and other resources from discarded materials and for the safe disposal of discarded materials.
- Grants - The Resource Recovery Branch sponsors the President's Urban Grant program, whose objective is to assist States, counties, municipalities, intermunicipal agencies, local public solid waste management authorities, and interstate agencies in the development and implementation of energy and materials recovery plants and source separation programs.

TARGET AUDIENCE(S):

- Business and industry (general)
- Local government
- State government
- Trade and professional groups
- Community and other nonprofit groups

DELIVERY MECHANISMS:

- Office of Solid Waste and EPA Regional offices

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Eight-volume Resource Recovery Implementation Guide
- Numerous other publications on resource recovery
- Shortened decision-making process by one to three years

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$18,500,000	$18,500,000
FY 1980	$14,500,000	$14,500,000

[redacted]

AGENCY: Department of Health and Human Services

PROGRAM OFFICE: Office of Human Development Services (OHDS)
Administration on Aging (AOA)
Office of Program Development

PROGRAM NAME: Grants for State and Community Programs on Aging

CONTACT: Anita Shalit Tel: (202) 472-3057
Program Analyst, Office of Program Development
Office of Human Development Services
Administration on Aging
Department of Health and Human Services
North Building, Room 4639-A
330 Independence Avenue, S.W.
Washington, D.C. 20201

OBJECTIVES:

Objectives of overall program:

- To develop a system of comprehensive and coordinated services for the elderly, in order to:
    - Secure and maintain independence and dignity in a home environment for elderly persons capable of self care
    - Remove barriers to economic and personal independence for the elderly
    - Provide a continuum of care for the vulnerable elderly

Objectives of energy outreach component:

- While the Older Americans Act does not include specific objectives relative to energy, the Administration on Aging is emphasizing energy-related services as one means of assisting elderly persons to maintain their independence.

DESCRIPTION OF PROGRAM:

Description of overall program:

- Title III is a State-administered formula grant program with local administration through Area Agencies on Aging.

- State and Area Agencies on Aging coordinate resources and advocate in behalf of the elderly. Funds are available for provision of social services, nutrition services, and multipurpose senior centers.

- Activities focus on elderly persons in greatest social or economic need.

- Social services to the elderly may include assistance to meet energy-related needs of the elderly such as home fuel costs, transportation costs, and weatherization of homes for thermal efficiency and energy conservation.

Description of energy outreach component:

- The Older Americans Act does not include a specific energy outreach component; however, Area Agencies on Aging conduct outreach activities to identify and resolve service needs of elderly persons. This includes energy-related activities. Emphasis is given to helping the elderly obtain resources of various energy assistance programs.

- Attention is also given to informing the elderly of the dangers of "accidental hypothermia" as well as energy conservation methods.

- Of particular concern are isolated elderly, who may require help during weather crises.

Energy outreach services:

- Publications and materials - These are developed and/or procured and distributed by State and Area Agencies on Aging, based on availability and the needs of the elderly population in the area. In addition, the Administration on Aging has developed and obtained from other agencies and organizations brochures and other materials which are appropriate to the elderly. These are distributed to State and Area Agencies on Aging.

- Exhibits and audiovisual displays

- Workshops, seminars, and conferences - The Administration on Aging and State and Area Agencies on Aging both participate in and conduct energy-related conferences and workshops as appropriate to the energy needs of the elderly.

- Technical assistance - Provided by Federal, State, and Area Agencies upon request. In addition, the Administration on Aging distributes written technical assistance to the State and local level as such materials come to our attention.

- Grants - Title III funds may be awarded by Area Agencies as needed to assist elderly to pay utility costs or to assist organizations in providing other energy-related services to the elderly. In addition, the Administration on Aging's research program has funded projects addressing the effects of rising energy costs on the elderly. Several model projects have also been funded in the weatherization area.

TARGET AUDIENCE(S):

- General public - State and Area Agencies conduct advocacy activities to make the general public aware of energy-related problems of the elderly.

- Business and industry (general) - State and Area Agencies reach out to local energy suppliers in an effort to raise awareness about the special energy-related problems of the elderly and to negotiate arrangements for assuring continued energy services to individual elderly persons, particularly during weather crisis periods.

- Small commercial and industrial firms

- Local government - State and Area Agencies advocate to make local government programs more responsive to the special energy concerns of the elderly.

- State government - State and Area Agencies assist government in developing legislation and programs responsive to energy needs of the elderly. In addition, State agencies attempt to inform and tap the resources of other State programs having resources with potential benefit to the elderly.

- Federal government - The Administration on Aging advocates in behalf of the elderly with other Federal agencies that have resources that may be of benefit to the elderly. Further, the Administration on Aging transmits technical assistance and public information materials to State and Area Agencies to help advocate and develop resources in behalf of the elderly.

- Transportation - State and Area Agencies reach out to transportation authorities, volunteers, and other transportation providers to obtain transportation to meet the special needs of the elderly who are on a fixed income, handicapped, or otherwise disabled.

- Trade and professional groups - State and Area Agencies reach out in an effort to obtain assistance in providing energy services to the elderly, such as home repair, weatherization, warm clothing and blankets, transportation, etc.

- Teachers and/or students - See trade and professional groups. This group also represents a source of volunteer efforts.

- Community and other nonprofit groups - State and Area Agencies attempt to tap the resources of other community resources that may be available to respond to energy needs of the elderly.

DELIVERY MECHANISMS:

- State and Area Agencies on Aging may provide for the award of grants/contracts to various types of organizations for the delivery of energy-related services, e.g.: transportation may be provided to the elderly by nutrition services providers and multipurpose senior centers, funds may be awarded to an organization for provision of weatherization services, etc.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- The Administration on Aging has developed an interagency agreement with other Federal agencies, including USDA, FHA, DOL, HUD, FEA, CSA, and ACTION, in order to foster cooperation on energy conservation issues related to the elderly.

- Crisis centers and Hotlines are established at local areas to respond to energy needs of elderly persons.

- Local advocates may personally contact the elderly and help them, through complaint or petition procedures, to obtain emergency assistance benefits and represent them before governmental boards.

- State and Area Agencies attempt to locate and develop weatherization, transportation, and other energy-related resources and assure their provision to elderly persons in greatest economic or social need.

- Many State and Area Agencies have been able to develop agreements with local energy providers which assure special consideration of the elderly during weather emergencies.

- The Administration on Aging convened a conference of key Federal agencies and private voluntary groups to share information about energy programs and services for the elderly and to establish common ground for coordination and collaboration at the State level.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring client response to the outreach services provided

- Aging network in selected States participated in an HHS energy services evaluation conducted by HHS Inspector General.

BUDGET

	Total*	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$543,266,000	Not Available
FY 1980	$652,220,000	Not Available

*These figures include personnel costs.

AGENCY: Department of Health and Human Services (DHHS)

PROGRAM OFFICE: Bureau of Health Facilities (BHF)

PROGRAM NAME: Division of Energy Policy and Programs (DEPP)

CONTACT: Burt Kline Tel: (301) 436-7263
Director, Division of Energy Policy and Programs
Bureau of Health Facilities
Health Resources Administration
Department of Health and Human Services
Center Building, Room 5-22
3700 East-West Highway
Hyattsville, MD 20782

OBJECTIVES:

Objectives of overall program:

- To help ensure the availability of institutional health care services in the face of rising costs and diminishing supplies of energy
- To encourage health policymakers, health planners, and health facility administrators to consider alternative energy forms to replace the currently used traditional fossil fuels
- To persuade health care administrators to increase their efficiency with respect to overall resource management

Objectives of energy outreach component:

- The DEPP supports activities facilitating continued access to health care by providing technical assistance, direction, and guidance to health facilities managers, policy makers, health planners, health associations, and State, local, and Federal governments.

DESCRIPTION OF PROGRAM:

Description of overall program:

- Develops, analyzes, and recommends policies relating to the impact of energy resource development on health facilities and health resource programs
- Participates in the development and implementation of legislation, regulations, guidelines, and standards relating to energy needs and use of health facility operations and health services delivery
- Conducts, supports, and assists analyses and research activities relating to improved energy utilization in the delivery of health care services, including the adoption of alternate fuel sources

Description of energy outreach component:

- Provides technical assistance to public agencies and private entities in the health field on energy management programs and activities

- Develops and provides information on energy resources and management to ensure widespread awareness of the impact of emerging energy problems on the health sector

- Maintains liaison with Federal, State, and local health and energy agencies and organizations to ensure appropriate participation by the health sector in energy-related deliberations and initiatives

- Designs, develops, and administers conferences and workshops and provides assistance and direction to other health organizations on conference development and administration

Energy outreach services:

- Publications and materials - Developed a comprehensive manual which has become an industry standard, "Total Energy Management in Hospitals"; pamphlets on Solar Energy, Geothermal, and Waste Heat; publication highlighting hospitals' successes in energy management; and a publication documenting "Energy Issues in Health."

- Exhibits and audiovisual displays - DEPP has let contracts with health institutions of various types to demonstrate the use of solar energy within health facilities and is anticipating at least three additional contracts to be let by October 1, 1980. DEPP is currently preparing a film and slide presentation to introduce and encourage the use of solar as a health facility energy source.

- Curriculum development - A contract has been let entitled "Development of Course Outline(s) for Special Energy Training for Health Professionals," for the preparation of a course outline for special energy training for health professionals. This outline will be specifically aimed at training facility chief executive officers, administrators, or their deputies, the objectives of the educational/training opportunity being to inform and convince the course attendees of the need for action by them within their institutions and communities. The outline prepared will be used by DEPP, State Hospital Associations, HSA's, and others actually conducting training.

- Practical demonstrations - DEPP is showing the practical demonstration of solar space and hot water heating through our 11 Solar Energy Demonstration Projects. The Department of Energy's concern with energy conservation is matched by DEPP's concern with containing rising costs of health care. The reduction in a health facility's energy demands, or conversion to renewable forms, also reduces the cost of operating the facility.

- Technical assistance - The DEPP supports activities facilitating continued access to health care by providing technical assistance to institutions which are developing contingency plans to cope with energy shortfalls in fossil fuels.

- Energy audits - The DEPP publication entitled "Cost Containment in Hospitals Through Energy Conservation" records the results of energy conservation in various medical facilities and is based on a national survey of selected hospitals. The DEPP publication entitled "Total Energy Management for Hospitals" is to provide guidance and to identify proven techniques for conserving energy and energy dollars in hospitals through energy audits.

- Contracts - DEPP administers the DOE Solar Energy Demonstration Program in the health sector. To date, the Division has awarded 11 competitive contracts throughout the United States and is anticipating at least three additional competitive contracts to be awarded by October 1980.

- Workshops, seminars, and conferences:

  - Over the last 6 years, the DEPP has been directly involved in the administration or sponsorship of at least 35 health/energy conferences throughout the United States and has had indirect involvement in some 60 or 70 other conferences by virtue of assisting in the planning or conducting of these conferences.

  - DEPP staff members are available as speakers for national and State association-sponsored energy conferences and professional meetings.

  - DEPP is currently designing a workshop entitled "Survival Management Strategies for the 80s" to train health facility managers and health planners.

  - DEPP is preparing for its "Second National Conference on Energy Contingency Planning for Health Facilities," geared toward health and energy planners, health facility managers, health services program heads, elected officials, and others.

TARGET AUDIENCE(S):

For overall program:

- Hospitals, hospital associations, health professionals, policy makers, decision makers, facility boards of directors, executive directors, health facility staff and administrators, engineers, health planners, Health Services Administration, State Health Planning and Development Agencies, and Federal, State and local governments

For energy outreach component:

- General public - DEPP-coordinated activities of energy and health, through both public and private entities, serve to support the development of the most effective energy conservation measures in the health sector that impact on the Nation.

- Business and industry (general) - The resource management experiences gained in the health sector are applicable to other economic sectors.

- Local government - DEPP addresses but is not limited to such policy and planning needs areas as:

    - Coordinating health and energy conservation planning at the local level
    - Establishing complementary health and energy program priorities
    - Identifying common health and energy program needs
    - Developing guides and measures of energy conservation progress in health
    - Evaluating innovative or alternate energy source opportunities appropriate to health care settings
    - Developing improved energy management capabilities among health facility managers

- State government - DEPP addresses but is not limited to such policy and planning needs areas as:

    - Coordinating health and energy conservation planning at the State level
    - Establishing complementary health and energy program priorities
    - Identifying common health and energy program needs
    - Developing guides and measures of energy conservation progress in health
    - Evaluating innovative or alternate energy source opportunities appropriate to health care settings
    - Developing improved energy management capabilities among health facility managers

- Federal government - DEPP addresses but is not limited to such policy and planning needs areas as:
  - Coordinating health and energy conservation planning at the Federal level
  - Establishing complementary health and energy program priorities
  - Identifying common health and energy program needs
  - Developing guides and measures of energy conservation progress in health
  - Evaluating innovative or alternate energy source opportunities appropriate to health care settings
  - Developing improved energy management capabilities among health facility managers
- Trade and professional groups - Actively involved in information exchange with health-related agencies such as American Hospital Association, American Health Care Association and third-party payors such as Blue Cross
- Health, education or research institutions - DEPP efforts are designed to help assure the continuity of our Nation's health care delivery system. Our target audience includes any and all groups who affect our Nation's health care delivery system.
- Community and other nonprofit groups - Our target audience includes any and all groups who affect our Nation's health care delivery system.

DELIVERY MECHANISMS:

- American Hospital Association; American Health Care Association; National Alliance for Energy Contingency Planning for Health Resources; State Hospital Associations; State Community Service Councils; Blue Cross/Blue Shield Association; National Hospital Councils; National Medical Associations; State Health Departments; State Comprehensive Health Planning Councils; National Nurses Associations; Energy and National Resource Program of the National Governors Association; Energy Program of the National League of Cities; Energy Management Project of the National Association of Counties; National Governors Conference; Federal Interagency Committee on Education; Department of Energy; American Medical Association; United States Public Health Service; Veterans Administration; Department of Defense; Joint Commission on Accreditation of Hospitals; Federal Emergency Management Agency; Society of Professional Engineers; American Institute of Architects;

State, Federal, and local governments; Health Systems Agencies; State Health Planning and Development Agencies; State Energy Departments. The organizations that The Division of Energy Policy and Programs addresses include any and all who affect our Nation's health care delivery system.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Publications have included a comprehensive manual that has become an industry standard, "Total Energy Management in Hospitals;" pamphlets on Solar Energy, Geothermal, Waste Heat, a publication highlighting hospitals' successes in energy management, and a publication documenting "Energy Issues in Health."

- Over the last 6 years, the Division of Energy Policy and Programs has been directly involved in the administration or sponsorship of at least 35 health/energy conferences throughout the United States and has had indirect involvement in some 60 or 70 other conferences by virtue of assisting in the planning or conducting of these conferences. In addition, Division staff members are available as speakers for national and State association-sponsored energy conferences and professional meetings.

- The Division of Energy Policy and Programs has let 11 Solar Energy Demonstration Project contracts with health institutions of various types to demonstrate the use of solar energy within health facilities. DEPP anticipates letting at least three additional Solar Energy Demonstration Project contracts in October 1980.

- A 30-minute, 16mm film entitled "It's Dollars and Sense," which tells how to save energy and energy dollars in a health care facility

- A 38-minute, 16mm film entitled "A Conversation with M. King Hubbert," which is directed to health facilities and the energy crisis

- A contract has been let for a 15-minute, 16mm color film entitled "Solar Energy in Health Institutions," and DEPP is currently preparing a slide presentation to illustrate the applications of solar as a health facility energy source.

- A contract entitled "Development of Course Outline(s) for Special Energy Training for Health Professionals" has also been let. This contract is for the preparation of a course outline for special energy training for health professionals. This education/training opportunity will be specifically aimed at training facility chief executive officers, administrators, or their deputies, and will be used by DEPP, State Hospital Associations, HSA's, and others actually conducting training.

- The National Alliance for Energy Contingency Planning for Health Resources (The Alliance) has brought together members of the AMA, AHA, USPHS, FAH, AHCA, VA, JCAH, Blue Cross, etc., and is designed to provide an opportunity to professionals from the various sectors of the medical field to become part of a forum that will eventually become a source of enlightened input from the medical community into the ongoing energy dialogue, which will result in the formulation of major public policies that will affect all these public and private health groups.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- A conference evaluation form is built into all Division of Energy Policy and Programs conferences and workshops. All DEPP conferences that have been completed have been evaluated. This form enables DEPP to measure attendees' responses to the outreach services provided.

BUDGET:

	Total*	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$286,400	-0-
FY 1980	$300,000	-0-

*Personnel costs are included.

AGENCY: Department of Housing and Urban Development (HUD)

PROGRAM OFFICE: Office of Community Planning and Development

PROGRAM NAME: Community Development Block Grants (CDBG)

CONTACT: Don Patch, Acting Director Tel: (202) 755-6587
Office of Block Grant Assistance
Office of Community Planning and Development
Department of Housing and Urban Development
Room 7282
451 7th Street, S.W.
Washington, D.C. 20410

OBJECTIVES:

Objectives of overall program:

- The development of viable urban communities, by providing decent housing and a suitable living environment and expanding economic opportunities, principally for low- and moderate-income persons.

Objectives of energy outreach component:

- There is no specific energy outreach component. However, energy conservation efforts may be carried out under the program. Such activities would meet the objectives of improving housing, principally for lower-income persons; assisting economic development; and improving public facilities and services.

DESCRIPTION OF PROGRAM:

Description of overall program:

- This program provides financial assistance to units of general local government to carry out a wide array of activities directed toward neighborhood revitalization, housing improvement, economic development, and provision of improved public facilities and services. Cities that are central cities or have over 50,000 population, in SMSA's, and urban counties which have populations exceeding 200,000 and meet certain other requirements, receive funds annually on a entitlement basis. Other localities apply for funds on a competitive basis. Local governments have wide discretion in the kinds of projects they undertake.

Description of energy outreach component:

- There is no separate energy component. Since local governments receiving block grant funds have wide discretion in selecting projects, they may include energy conservation efforts.

Energy outreach services:

NOTE: Most of the following may be eligible as part of a local government's rehabilitation program, subject to block grant regulations, including rules on benefitting low- and moderate-income persons. Any statement as to the energy outreach services that can be funded with block grants should be so qualified.

- Publications and materials - Could be eligible as an administrative cost of carrying out an eligible local rehabilitation program
- Exhibits and audiovisual displays - See Publications and materials
- Practical demonstrations - See Publications and materials
- Technical assistance - See Publications and materials. Block grant funds can be used to write work write-ups for property owners, and block grant-funded rehabilitation programs can secure contractors, inspect work, etc.
- Energy audits - See Publications and materials
- Grants - Block grant funds may be used to provide direct grants to property owners, as well as to provide loans, loan guarantees, and interest subsidies and to purchase materials. Such aids are generally restricted either to Neighborhood Strategy Areas, which are areas designated for comprehensive neighborhood improvement efforts, or for low- and moderate-income persons (households whose incomes do not exceed 80% of the SMSA median.
- Other ways that block grant funds can be used for energy conservation include: development of energy conservation strategies, energy efficient building codes, zoning ordinances, and land use plans; solid waste conversion facilities; retrofitting otherwise eligible public, commercial, and industrial buildings to make them energy efficient; provision of utilities in conjunction with economic development projects. In addition, public facilities built with block grant funds may include energy efficient features, including solar heating equipment.

TARGET AUDIENCE(S):

For overall program:

- Funds are provided by HUD to units of general local government (i.e., cities, towns, counties). Local governments may make funds available to individual citizens, other public agencies, and various nonprofit organizations to carry out activities eligible under the program.

The primary beneficiaries of the program must be low- and moderate-income persons, e.g., those whose incomes do not exceed 80% of the SMSA median. They can benefit by housing improvements, improvements to their neighborhoods, receipt of public services, and economic development projects that create jobs accessible to them.

For energy outreach component:

No separate outreach component. Most of the following may participate if they can meet the provisions of the regulations.

- General public
- Residential
- Business and industry (general)
- Small commercial and industrial firms
- Local government
- Community and other nonprofit groups

DELIVERY MECHANISMS:

- Decisions on the types of programs to carry out with block grant funds, and the means to carry them out, are made by local units of government. Most cities either have a community development department, or lodge primary responsibility for the block grant program with the local housing department, the city planning department, or similar groups. Particular projects are often carried out by city agencies such as the parks department, the public works department, the housing department, etc. In addition, the city can enter into contracts with nonprofit agencies such as local development corporations, small business development corporations, and the like to carry out particular projects. Public service projects are carried out either by city departments, such as the Department of Social Services, or by nonprofit agencies qualified to provide the particular services.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- It is estimated that some 60,000 to 80,000 housing units each year are weatherized or receive energy conserving improvements with block grant funds as part of local rehabilitation programs.
- Block grant funds have also been used to install solar heating and cooling equipment in homes and public buildings, to build district heating facilities, to perform energy audits, and to develop energy plans.

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Not Available	Not Available
FY 1980	Not Available	Not Available

*Because of the block grant nature of the program and the local discretion provided, there is no firm budget for energy outreach.

AGENCY: Department of Housing and Urban Development (HUD)

PROGRAM OFFICE: Office of Community Planning and Development

PROGRAM NAME: Urban Development Action Grants (UDAG)

CONTACT:
David Cordish Tel: (202) 472-3947
Department of Housing and Urban Development
Room 7232
451 7th Street, S.W.
Washington, D.C. 20410

OBJECTIVES:

- To provide assistance to eligible distressed cities and urban counties to increase their employment and tax base and to encourage joint public-private investment. Communities, including those experiencing outmigration, stagnation, or a declining tax base, receive aid in order to stimulate economic revitalization.

- To treat excessive housing deterioration and abandonment, as well as commercial and industrial disinvestment problems

DESCRIPTION OF PROGRAM:

Description of overall program:

- Provides grants to eligible metropolitan cities suffering physical and economic distress

- Provides for land acquisition, the development of public facilities, and the construction or rehabilitation of industrial, commercial, and residential facilities

- Revitalizes the economic base of a distressed city, or reclaims neighborhoods where there has been excessive abandonment

- Proposals from eligible communities may be received which focus upon alleviating specific problems of scarce fuel usage by residential, commercial, and industrial sectors.

- The program may be utilized to implement local government energy conservation strategies

- Projects involving commercially feasible technologies for energy recycling and/or renewable supplies can also be supported by Action Grant assistance as part of the requested assistance package, provided the application meets the normal UDAG requirements of new permanent jobs and increased taxes for the distressed city or urban county.

[redacted]

Energy outreach services:

- Publications and materials
- Speakers provided upon request
- Technical assistance provided directly and through subcontractors
- UDAG assistance in the form of grants to localities

TARGET AUDIENCE(S):

- Residential
- Business and industry (general)
- Small commercial and industrial firms
- Local government

DELIVERY MECHANISMS:

- Awards are made to eligible units of local government which are able to subcontract with private nonprofit organizations, local development corporations, small business investment companies to implement project activities, and private businesses.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach*
FY 1979	$400,000,000	Not Available
FY 1980	$675,000,000	Not Available

*Not separately allocated.

AGENCY: Department of Housing and Urban Development (HUD)

PROGRAM OFFICE: Office of Housing

PROGRAM NAME: Indian Housing

CONTACT: Thomas Sherman, Director Tel: (202) 755-6522
Department of Housing and Urban Development
Room 6254
451 7th Street, S.W.
Washington, D.C. 20410

OBJECTIVES:

- To provide decent housing and related facilities in Indian areas

DESCRIPTION OF PROGRAM:

- Indian Housing Authorities (IHAs) develop and operate rental and homeownership projects, financing them through sales of bonds and notes
- HUD furnishes technical and professional assistance in planning, development, and managing projects and also gives financial assistance in the form of annual contributions to pay off bonds and notes
- For rental projects, contributions also assure low rents, maintain adequate services, and reserve funds

Energy outreach services:

- Provides counseling for IHA-assisted homebuyers and tenants, which includes educating them about energy conservation measures they can take

TARGET AUDIENCE(S):

- Residential tenants and homeowners in Indian areas

DELIVERY MECHANISMS:

- HUD field offices
- IHAs

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach*
FY 1979	$26,300,000	Not Available
FY 1980	$30,000,000	Not Available

*Not separately allocated

AGENCY: Department of Housing and Urban Development (HUD)

PROGRAM OFFICE: Office of Housing

PROGRAM NAME: Low-Rent Public Housing

CONTACT: Thomas Sherman, Director Tel: (202) 755-6522
Department of Housing and Urban Development
Room 6254
451 7th Street, S.W.
Washington, D.C. 20410

OBJECTIVES:

- To provide decent shelter for low-income residents at rents they can afford

DESCRIPTION OF PROGRAM:

- Local Public Housing Agencies (PHAs) develop and operate low-rent public housing projects, financing them through sales of bonds and notes

- HUD provides preliminary loans for planning and projects and makes annual contributions to pay off bonds and notes that finance project construction, assure low rents, maintain adequate project services, and reserve funds

- Rents based on tenants' ability to pay contribute to costs of managing and operating the housing

Energy outreach services:

- A program whereby maintenance engineers in HUD field offices encourage and assist PHAs in setting up their own energy conservation programs

TARGET AUDIENCE(S):

- Low-income families

DELIVERY MECHANISMS:

- HUD field offices

- PHAs

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- The Department published in the Federal Register on May 7, 1980, a final rule (24 CFR Part 865 Subpart C) called Energy Audits and Energy Conservation Measures. This rule requires Public Housing Agencies to make energy audits of their housing projects, to install energy conservation measures determined to be cost effective, to purchase energy efficient appliances, and to take other actions that will save energy.

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach*
FY 1979	$1,001,000,000	Not Available
FY 1980	$1,024,000,000	Not Available

* Not separately allocated

[redacted]

AGENCY: Department of Housing and Urban Development (HUD)

PROGRAM OFFICE: Office of Financing and Preservation

PROGRAM NAME: Multifamily Housing
Held - Owned

CONTACT: Robert P. Kalish, Director Tel: (202) 755-5678
Office of Multifamily Financing and Preservation
Department of Housing and Urban Development
451 7th Street, S.W.
Washington, D.C. 20410

OBJECTIVES:

Objectives of overall program:

- To encourage tenants and owners of HUD-held or -owned property to reduce energy consumption or to retrofit systems to a new or different fuel type

Objectives of energy outreach component:

- To reduce energy consumption and utility costs and to encourage tenants, owners, and managers to conserve

DESCRIPTION OF PROGRAM:

- Training in new methods, energy audits, and illustration of various means

Energy outreach services:

- Publications and materials - Handbook: 4325.1
- Exhibits and audiovisual displays - Posters: "Energy is Everybody's Concern"
- Curriculum development - Stresses self-help
- Workshops, seminars, and conferences - Interoffice training and conferences
- Practical demonstrations - Atlanta, Georgia: Energy house
- Technical assistance - Advise field offices on new methods of conserving energy
- Energy audits - Create a guideline and cost effect of the audits

TARGET AUDIENCE(S):

- General public - Education, technical advice, and the "whys" and "how-to-do's"
- Residential - Education, technical advice, and the effects
- Federal government - Realty specialists that are in local offices, advising on other Government plans
- Trade and professional groups - Energy audits that are conducted by engineers and mechanical architects

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Stressed energy saving in training sessions
- Provided technical assistance in new methods
- Created guidelines for energy audits
- Empirically evaluated effects and cost effectiveness of program

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring outreach activities or services and their costs
- Measuring the impact of the outreach services on client conservation action and on conversion to renewable energy sources
- Measuring energy savings

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$2,400,000	Not Available
FY 1980	$3,100,000	Not Available

AGENCY: Department of Housing and Urban Development (HUD)

PROGRAM OFFICE: Neighborhoods, Voluntary Associations, and Consumer Protection (NVACP)

PROGRAM NAME: Community-Based Energy Conservation Division

CONTACT:
Gloria Cousar, Director Tel: (202) 755-7940
Community-Based Energy Conservation Division
Room 3174
451 7th Street, S.W.
Washington, D.C. 20410

OBJECTIVES:

- This division has a twofold mission that is responsive to the Assistant Secretary's representation on the Interagency "656" Committee and to the overall management needs for policies and programmatic functions as they relate to energy conservation within the Office of Neighborhoods, Voluntary Associations, and Consumer Protection.

DESCRIPTION OF PROGRAM:

- This office monitors departmental progress on integrating energy conservation objectives within procurement policies and neighborhood, housing, and community development programs for financial assistance. This office takes primary initiative in seeking the assistance of various offices for involvement with relevant facets of the "656" Committee. With regard to overall NVACP management, the Community-Based Energy Conservation Division focuses its activities on the problems and needs of nongovernmental organizations involved with housing, consumer affairs, and neighborhood development.

Energy outreach services:

- Publications and materials
- Workshops, seminars, and conferences
- Technical assistance

TARGET AUDIENCE(S):

- Nongovernmental profit and nonprofit organizations involved with housing, consumer affairs, and neighborhood development

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Neighborhood Energy Reliance Regional Workshops, to begin in Fall 1980
- Coordinating Urban Revitalization, Inc./HUD public-private project; a comprehensive cooperative effort among the public and private sectors and community-based organizations involving revitalization of the community and training of structurally unemployed citizens, providing energy education and conservation skills to project communities
- Preparing and disseminating information regarding consumer waste awareness and responsible energy use in the home and neighborhood
- Ongoing participation in regional and national workshops and seminars on energy conservation

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Not Available	Not Available
FY 1980	Not Available	Not Available

AGENCY: Department of Housing and Urban Development (HUD)

PROGRAM OFFICE: Office of Policy Development and Research

PROGRAM NAME: Product Dissemination and Transfer

CONTACT: Heather Aveilhe Tel: (202) 755-5544
Office of Policy Development and Research
Department of Housing and Urban Development
Room 8124
451 7th Street, S.W.
Washington, D.C. 20410

OBJECTIVES:

Objectives of overall program:

- To increase the use of HUD-sponsored research by industry, State and local governments, and the public

Objectives of energy outreach component:

- To promote energy conservation by designing and conducting special dissemination and transfer projects for HUD-sponsored energy conservation research

DESCRIPTION OF PROGRAM:

Description of overall program:

- The Division stimulates awareness and interest in HUD-sponsored research, obtains feedback from major constituent and user groups, and transforms research results into processes, products, and services that can be used by a wide variety of constituents. The Division also operates the HUD USER Research Information Service.

Description of energy outreach component:

- Research dissemination and utilization programs are individually designed for products that result from HUD-sponsored research in energy conservation.

Energy outreach services:

- Publications and materials - A variety of materials is prepared and disseminated, including consumer use manuals, guides for State and local government, and industry standards.
- Exhibits and audiovisual displays
- Practical demonstrations

TARGET AUDIENCE(S):

- General public
- Residential
- Business and industry (general)
- Local government
- Trade and professional groups
- Teachers and/or students
- Community and other nonprofit groups

DELIVERY MECHANISMS:

- Superintendent of Documents, NTIS, HUD USER (HUD's Research Information System), State energy offices, press, radio-TV, Consumer Information Center, real estate industry, lenders, shelter magazines, trade and professional associations

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- HUD USER became fully operational this year and has responded to thousands of requests for information and reports resulting from HUD-sponsored research, including energy conservation-related work. A special bibliography on energy management for State and local governments has been prepared and is available from HUD USER.

- The Energy-Wise Home Buyer, a HUD/DOE-sponsored publication for home seekers, is being promoted through a national marketing campaign, using the press, shelter magazines, and intermediary groups such as community colleges.

EVALUATION OF ENERGY OUTREACH ACTIVITIES

- Measuring outreach activities or services and their costs
- Measuring client response to the outreach services provided
- Measuring energy savings

AGENCY: National Science Foundation (NSF)

PROGRAM OFFICE: Intergovernmental Science and Public Technology

PROGRAM NAME: Intergovernmental Programs

CONTACT:
David R. Richtmann Tel: (202) 357-7560
Intergovernmental Programs
Engineering and Applied Science Directorate
National Science Foundation
1800 G Street, N.W.
Washington, D.C. 20500

OBJECTIVES:

Objectives of overall program:

- To facilitate the integration of scientific and technical resources into the policy formulation, management support, and program operation activities of State and local governments

Objectives of energy outreach component:

- The Intergovernmental Program does not have a separate energy outreach component, although many of the projects it sponsors involve energy-related activities. These activities are intended to help State and local governments solve specific problems or formulate and implement policy.

DESCRIPTION OF PROGRAM:

- Makes grants to individual State legislatures and governors' offices to test alternative mechanisms for using scientific and technical resources in policy formulation and implementation

- Supports a national network of local governments to strengthen their capability for solving problems by using scientific and technical resources. Included in this network are the Urban Consortium, Urban Technology System, and Community Technology Initiatives Program. In addition, several statewide and multi-State regional innovation groups are supported.

- Makes awards to national and regional organizations representing State and local governments to support of program goals

- Provides funding for the Federal Laboratory Consortium to help make the resources of more than 200 Federal laboratories available to the public and private sectors

TARGET AUDIENCE(S):

- State legislators
- Governors and State executive agencies
- General purpose city and county governments and their chief executives or chief administrative officers

DELIVERY MECHANISMS:

- To the extent that the Intergovernmental Program is engaged in energy-related activities as case study examples, its grantees and their employees would, in most cases, be the delivering organizations. These organizations tend to be State legislatures, governors' offices, State executive agencies, general purpose local governments, national public interest associations representing State or local governments, regional organizations representing State or local governments, Federal laboratories and research centers, and academic institutions.

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

Many of the projects funded by the Intergovernmental Program are involved in energy-related activities as case examples. The following are some specifics of these activities from projects involving different components of the Program, i.e., Local Government, State Legislative, and the Federal Laboratory Consortium.

- New England Innovation Group (NEIG):

  This organization is intended to help States and local governments in the six-State New England area to use scientific and technical resources to help solve important problems. NEIG has been particularly active in using the energy area for case examples. These include:

  - Conducting a New England local government energy management assistance program to implement recommendations of the New England Energy Congress
  - Preparing an energy management/economic development plan for the city of Lawrence, Massachusetts, as a pilot project for the Department of Energy
  - Disseminating information about the results of the Franklin County, Massachusetts, energy planning process throughout New England by utilizing the resources of the municipal league in each of the region's six States. Activities include conferences, workshops, and report distribution.

- Conducting energy management studies, including the application of ground-level thermographic analysis, of more than 30 public schools and public buildings in New England

(Part or most of the cost of the activities described above has been funded by other Federal agencies, including DOE and DOC.)

- State Legislative:

  Under projects funded by the Intergovernmental Program, the State legislatures of Minnesota and Michigan and the National Conference of State Legislatures have conducted policy-oriented studies on various aspects of the manufacture and utilization of gasohol.

- Federal Laboratory Consortium:

  The Consortium has encouraged and, in some cases, provided partial funding for the assignment of employees from Federal laboratories and research centers to work as technology specialists for State and local governments under provisions of the Intergovernmental Personnel Act. Examples of assignments that have included energy-related activities are:

  - New York City Police Department: Design and supervise the installation of an automated gasoline dispensing and monitoring system
  - In addition, the Consortium has prepared an "Energy Link" catalog that identifies the nature and location of energy-related expertise residing in Federal laboratories. The catalog is available from George Linsteadt, Chairman, FLC, Naval Weapons Center (Code 3803), China Lake, California 93555.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- The Intergovernmental Program has a formal, ongoing evaluation component which is intended to document the outcome and impacts of the Program, as well as develop an understanding of how and why these results were achieved.

BUDGET:

	Total*	Amount for Energy Conservation/ Renewable Fuels Outreach**
FY 1979	$5,400,000	Not Available
FY 1980	$4,500,000	Not Available

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*Includes funds for State Science, Engineering, and Technology (SSET) Program implementation, evaluation, and/or monitoring.

**Because the program results in broad capacity development in State and local governments and in resource institutions for a wide range of scientific and technological specialties, it is impossible to specify dollar amounts expended for energy conservation and renewable fuels. Significant efforts in these areas are supported, however, in several projects.

AGENCY: Small Business Administration (SBA)

PROGRAM OFFICE: Technology Assistance Division

PROGRAM NAME: Technology Assistance Program

CONTACT: Thomas J. Charney Tel: (202) 653-6586
Technology Assistance Division
Small Business Administration
1441 L Street, N.W., Room 630
Washington, D.C. 20416

OBJECTIVES:

- To help small businesses solve production-related technical problems
- To assist small businesses in implementing and using new or alternative technologies
- To assist small businesses in obtaining Federal R&D results that will aid them in solving a particular technological problem, in exploiting new product potential, or in upgrading their operations

DESCRIPTION OF PROGRAM:

- Helps small businesses solve technical problems and use new or alternative technologies
- Provides technical information available from other Federal agencies to small businesses (some energy-related)
- Provides computer services for energy-saving measures (NASA computers); pamphlets with reader service card (card returned for assistance); and technical information and assistance (one-to-one contact, mail, or telephone)
- Provides R&D procurement assistance and special studies

Energy outreach services:

- Upon request, provides assistance and state-of-the-art information on specific energy-related topics

TARGET AUDIENCE(S):

- Small business managers and owners

DELIVERY MECHANISMS:

- Mailing of flyers by SBA's Central Office to small businesses affords them the opportunity of technology assistance in the areas in which they need it
- Technology Assistance Officers located at Regional Offices of SBA contact those responding to the flyers and provide requested information

BUDGET:

	Total*	Amount for Energy Conservation/ Renewable Fuels Outreach**
FY 1979	$ 900,000	$ 90,000 (est.)
FY 1980	$ 990,000	$ 99,000 (est.)

*Includes personnel costs

**The Technology Assistance Program was established to transfer all types of available technology, as applicable, to small businesses. Only part of this program involves energy conservation.

AGENCY: Tennessee Valley Authority (TVA)

PROGRAM OFFICE: Office of Power, Division of Energy Conservation, Conservation and Energy Management Branch

PROGRAM NAME: Energy Management and Conservation Program for Commercial and Industrial Consumers

CONTACT:
Eddie Trammel Tel: (615) 755-3651
Conservation and Energy Management Branch
Tennessee Valley Authority
Chattanooga Power Service Center, 5C
Chattanooga, TN 37401

OBJECTIVES:

Objectives of overall program:

- To identify energy conservation opportunities (ECOs) for commercial and industrial firms within the TVA service area and encourage their implementation and to achieve 1000 megawatt savings over a 10-year period

Objectives of energy outreach component:

- To encourage changes in energy consumption and energy use patterns by incorporating energy conservation equipment and energy conserving operating conditions
- To help consumers minimize electricity costs
- To offer secured loans for ECO implementation

DESCRIPTION OF PROGRAM:

Description of overall program:

- A commercial and industrial energy conservation program that is a cooperative venture by TVA and local power distributors

Description of energy outreach component:

- Provides free energy audit surveys for commercial and industrial firms in the TVA region
- Explains how ECOs can be implemented to save energy and lower utility bills
- Offers secured loans to audited consumers for implementing the ECOs

Energy outreach services:

- Publications and materials - Informational brochures and program fact sheets are available to explain the program
- Exhibits and audiovisual displays - Exhibits and displays are available, as well as a slide show to explain the program and aid in demonstrations.
- Workshops, seminars, and conferences - Trained personnel and accumulated technical data are available for utilization in various meetings
- Practical demonstrations - Demonstrations within meetings to explain energy conservation measures.
- Technical assistance - Technical expertise is available in the disciplines of heat recovery, HVAC systems, lighting systems, cogeneration feasibility determinations, food facility services, system financial and tax evaluations, and municipal and institutional programs.
- Energy audits - A free on-site comprehensive energy management survey is available for any commercial and industrial consumer.
- Secured loans are available for consumers to implement the ECOs identified in their energy audits.

TARGET AUDIENCE(S):

For overall program:

- All commercial and industrial consumers within the TVA service area

For energy outreach component:

- Business and industry (general) - Within TVA service area
- Small commercial and industrial firms - Within TVA service area

DELIVERY MECHANISMS:

- TVA and local power distributors

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

As of May 1980:

- A total of 1,227 energy audits completed
- 55.29 million square feet audited
- 66 million kWh savings identified
- 5 loans issued for approximately $40,000
- Currently a backlog of 1,570 requests for energy audits

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- o Measuring energy savings

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$2,256,000	$2,256,000
FY 1980	$7,678,000	$7,678,000

*Includes personnel costs and other commercial and industrial activities. Program is self-financed. Budget figures are outlays.

AGENCY: Tennessee Valley Authority (TVA)

PROGRAM OFFICE: Office of Power, Division of Energy Conservation, Conservation and Energy Management Branch

PROGRAM NAME: The Super Saver Electric Home Program

CONTACT:
Carl Adams Tel: (615) 755-3651
Conservation and Energy Management Branch
Tennessee Valley Authority
Display Building, Power Service Center
Chattanooga, TN 37041

OBJECTIVES:

Objectives of overall program:

- To conserve energy
- To keep electric rates as low as feasible
- To protect the interest of the customer by minimizing life cycle, energy-related costs
- To work with home builders in promoting construction techniques that utilize conservation measures

Objectives of energy outreach component:

- To encourage the construction of energy-efficient homes
- To make available a list of building standards to new home builders

DESCRIPTION OF PROGRAM:

Description of overall program:

- To reduce the current levels of energy consumption in new buildings by the use of increased levels of insulation and other energy-saving devices. To install energy-saving devices during construction, which is the best time from a cost standpoint.

Description of energy outreach component:

- Provide new home builders with energy conservation construction guidelines
- Educate the public about the benefits of energy-efficient homes
- Provide assistance to home builders in planning conservation measures in new home construction

Energy outreach services:

- Publications and materials - Brochures, fact sheets, and home building guides for energy conservation
- Exhibits and audiovisual displays - Films, slide shows, and displays which illustrate energy conservation techniques in new home construction
- Workshop, seminars, and conferences - Provide information for workshops conducted for builders, realtors, and lenders
- Practical demonstrations - Several hundred homes have been built to these standards on a voluntary basis throughout the TVA service area. Fifty of these have been submetered for energy consumption.
- Technical assistance - Technical expertise is available to home builders for plan review and recommendation of energy conservation measures that should be included in new home construction.

TARGET AUDIENCE(S):

For overall program:

- All prospective builders and buyers of new one- and two-family detached residential dwellings in the TVA service area

For energy outreach component:

- General public - In TVA service area
- Residential - All prospective home builders and buyers in the TVA service area
- Business and industry (general) - Builders, contractors, and developers in the TVA service area
- Trade and professional groups - Builders, realtors, and lender associations
- Teachers and/or students - Teachers and students at the University level

DELIVERY MECHANISMS:

- TVA, working with local power distributors

[redacted]

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- No method of measurement has been established. However, TVA can reasonably assume from consumer feedback that the program is creating a demand for energy-efficient homes.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Measuring energy savings - TVA is monitoring demonstration homes to determine the energy savings of a Super Saver home compared to conventionally built homes.

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Start of program	Not Available
FY 1980	$200,000 (est.)	Not Available

*Includes personnel costs. Budget figures are outlays.

AGENCY: Tennessee Valley Authority (TVA)

PROGRAM OFFICE: Office of Power, Division of Energy Conservation
Conservation and Energy Management Branch

PROGRAM NAME: TVA's Heat Pump Financing Plan

CONTACT: Lee Culpepper Tel: (615) 755-3901
Office of Power, Division of Energy Conservation
Conservation and Energy Management Branch
Tennessee Valley Authority
Power Service Center - 4
Chattanooga, TN 37401

OBJECTIVES:

Objectives of overall program:

- To retrofit 5,000 homes in the TVA area per year from electric resistant systems to the more efficient heat pump systems. To be accomplished by providing the consumer with assistance in economic analysis, heat pump system installation standards, installation inspection, and financing

Objectives of energy outreach component:

- To reduce energy consumption and power demand in the TVA power system

DESCRIPTION OF PROGRAM:

Description of overall program:

- The Heat Pump Financing Plan is offered to the public by TVA through its power distributors. Prospective participants in the TVA Heat Pump Financing Plan (HPFP) are contacted through the TVA Home Insulation Program (HIP). A homeowner must have completed all cost-effective recommendations of a HIP audit to be eligible for participation in the HPFP. Upon the homeowner becoming eligible and requesting a heat pump analysis, a heat pump advisor visits the home, completes a survey, and reports his findings to the homeowner. The homeowner is advised on what size unit to expect, approximate cost of installation, approximate monthly payment, approximate yearly savings, and cost effectiveness. If the homeowner then elects to have the heat pump system installed, the advisor gives him a list of participating heat pump contractors. A contractor is then selected, who commits to install the system in accordance with TVA's "Standards for Application and Installation of Heat Pump Systems." Upon the contractor certifying the completion of the installation in accordance with TVA's standards, the heat pump advisor inspects the job for compliance with the standards. Upon acceptance of the job by the advisor, the contractor is paid by the power distributor. The loan payment, which includes a finance charge (currently 8-1/2 percent APR), is itemized on the homeowner's monthly power bill for a period of up to 10 years.

Description of energy outreach component:

- Minimum heat pump efficiencies acceptable in the HPFP are stated in the standards. The average heat pump installation is projected to save approximately 4,270 kWh annually and .7 kW. At the current level of 5,000 units per year, TVA anticipates a 1985 savings of 150 million kWh and 21 megawatts. A program expansion to 10,000 units per year is currently under review.

Energy outreach services:

- Publications and materials - Standards for Application and Installation of Heat Pump Systems; Heat Pump Advisors Manual; Heat Pump Financing Plan brochure

- Exhibits and audiovisual displays - Set of slides explaining the operation of a heat pump and the Heat Pump Financing Plan

- Curriculum development - Three-week training course for heat pump advisors, two weeks on-the-job training

- Workshops, seminars, and conferences - Heat Pump Dealer Orientation Meetings; dealer seminars on standards, ground-water units, etc.

- Technical assistance - TVA provides: (1) Technical standard - "Standards for Application and Installation of Heat Pump Systems," (2) Heat pump advisors, who estimate heating and cooling loads, identify proper range of equipment capacities, and identify other required work, i.e., duct modification, for proper and efficient application of heat pump systems and inspect installation.

- Financing of heat pumps - Loans available at interest rates based on TVA's average cost of money and on repayment terms of up to 120 months.

TARGET AUDIENCE(S):

For overall program:

- Owners of single-family dwellings or duplexes

- Heat pump dealers, contractors, distributors, and manufacturers

- Power distributors in TVA system

For energy outreach component:

- Residential - Owners of one- and two-unit residences to promote the installation of heat pumps
- Business and industry (general) - Heat pump dealers, contractors, distributors, and manufacturers to promote the development of more efficient and reliable heat pumps and systems
- Trade and professional groups - Talks before such groups

DELIVERY MECHANISMS:

- TVA Home Insulation Unit
- TVA Heat Pump Applications unit
- TVA power distributors
- Participating heat pump dealers and contractors

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Developed standards for proper installation of energy-efficient heat pumps
- Developed procedures for implementation of HPFP
- Trained heat pump advisors in skills required to implement HPFP
- Enlisted participation of 113 of TVA's 160 power distributors in HPFP
- Began implementation of HPFP and are currently on schedule to meet goal of 5,000 installations per year

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Underway:

- Measuring outreach activities or services and their costs
- Measuring client response to the outreach services provided
- Measuring energy savings

BUDGET:

	Total*	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$738,000	Not Available
FY 1980	$797,000	Not Available

*Inclusive figure. Includes personnel, space, and appropriate overhead expenditures.

[redacted]

AGENCY: Tennessee Valley Authority (TVA)

PROGRAM OFFICE: Office of Power, Division of Energy Conservation
Conservation and Energy Management Branch

PROGRAM NAME: TVA's Home Insulation Program

CONTACT: David Lamb Tel: (615) 755-3656
Conservation and Energy Management Branch
Tennessee Valley Authority
Display Building, Power Service Center
Chattanooga, TN 37401

OBJECTIVES:

Objectives of overall program:

- To weatherize the electrically heated and cooled homes in the TVA service area

Objectives of energy outreach component:

- To encourage changes in energy use habits
- To help consumers minimize electricity costs
- To offer interest-free loans for energy conservation

DESCRIPTION OF PROGRAM:

Description of overall program:

- A residential energy conservation program that is a cooperative venture by TVA and local power distributors

Description of energy outreach component:

- Provides information on energy management in the home
- Provides free home energy surveys in region to save energy and to lower utility bills
- Offers interest-free loans to consumers who heat or cool electrically to bring insulation and other weatherization measures up to proper standards

Energy outreach services:

- Publications and materials - A variety of consumer publications on home weatherization and energy management

- Exhibits and audiovisual displays - Films and displays describing weatherization materials and their installation
- Workshops, seminars, and conferences - Presentations to weatherization contractors, local community action agencies, civic clubs, and other consumer groups
- Practical demonstrations - Demonstrations that present the benefits of various weatherization techniques
- Technical assistance - Formal training for CETA employees involved in low-income weatherization
- Energy audits - A free on-site Class A audit for any residential consumer
- No-interest loans - Available to consumers who heat or cool electrically to install a variety of weatherization materials

TARGET AUDIENCE(S):

For overall program:

- Residential consumers and general public

For energy outreach component:

- General public - In TVA service area
- Residential - In TVA service area
- Local government - Local community action agencies

DELIVERY MECHANISMS:

- TVA and local power distributors

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

As of June 27, 1980:

- 234,399 energy audits completed
- 97,809 conservation measure loans
- 365.99 million kWh savings for loan customers
- $73.58 million advanced to power distributors for providing loans

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

Completed:

- Measuring energy savings

BUDGET:*

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$3,551,000	$3,551,000
FY 1980	$4,615,000	$4,615,000

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*Includes personnel costs. Program is self-financed. Budget figures are outlays.

AGENCY: Department of Transportation (DOT)

PROGRAM OFFICE: Office of Technology Sharing, Assistant Secretary for Governmental Affairs

PROGRAM NAME: Technology and Knowledge Sharing

CONTACT: Mr. Alfonso Linhares Tel: (202) 426-4208
Director, Office of Technology Sharing
Office of the Secretary I-40
Department of Transportation
400 7th Street, S.W
Washington, D.C. 20590

OBJECTIVES:

- To coordinate technical assistance activities of DOT in transportion energy activities
- To coordinate energy-related activities of DOT headquarters staff with regional cities

DESCRIPTION OF PROGRAM:

- Preparation of informational materials for State and local governments (publications)
- Coordination of regional meetings on President's Energy Efficiency program.

Energy outreach services:

- Publications
- Exhibits
- Workshops and seminars
- Technical assistance

TARGET AUDIENCE(S):

- General public
- Business and industry (general)
- Local government

- State government
- Transportation
- Trade and professional groups

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Packaging and dissemination of energy conservation materials for White House and regional ridesharing outreach meetings
- Preparation of "Transportation Energy Activities of the U.S. DOT: a Technical Assistance Directory of Programs, Projects, Contracts" (December 1979)
- Coordination of Department's participation in ridesharing outreach (20/20 Energy Efficiency Program)

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$400,000	$400,000
FY 1980	$386,000	$386,000

AGENCY: Department of Transportation (DOT)

PROGRAM OFFICE: Office of State Program Assistance
Traffic Safety Programs
National Highway Traffic Safety Administration (NHTSA)

PROGRAM NAME: Operation C.A.R.E. (Combined Accident Reduction Effort)
Corporate Outreach Program
55 mph National Maximum Speed Limit

CONTACT: Dan L. Butler Tel: (202) 426-1760
Highway Safety Program Specialist
NTS-23
NHTSA
400 7th Street, S.W.
Washington, D.C. 20590

OBJECTIVES:

Objectives of overall program:

- Gain public support for the 55 mph National Maximum Speed Limit. In order to achieve this, we are working with corporations to gain their support of the speed limit through their publications, corporate advertising campaigns, and employee relations programs.
- In all of their internal and external communications vehicles, have them stress the fact that the 55 mph speed limit is the safest, most effective energy saving measure available to the driving public.
- Have corporations include materials developed by NHTSA on safe and fuel-efficient driving techniques in their mailings to customers and employees and other public communications activities.

Objectives of energy outreach component:

- Conservation of fuel through observation of the 55 mph speed limit and by following certain car care and driving practices designed to save fuel and lives

DESCRIPTION OF PROGRAM:

Description of overall program:

- Letters from NHTSA Administrator, Joan Claybrook, are sent to the presidents of the Fortune 3,000 firms to determine what, if any, actions the firms are engaged in supporting the 55 mph NMSL, asking them to undertake activities including corporate marketing efforts (paid advertising). A periodic update report of various corporate activities is sent to the corporations, which have been contacted either by letter, telephone, or in person by an outside contractor assisting in the project. The contractor informs firms as to activities other firms are engaged in to obtain driver compliance with the 55 mph speed limit.

Description of energy outreach component:

- Entire program is designed to conserve energy through compliance with the 55 mph speed limit.

Energy outreach services:

- Publications and materials - 21 items such as mail stuffers, pamphlets, print ads, and periodic publication of the update of corporate activities
- Curriculum development
- Workshops, seminars, and conferences
- Practical demonstrations of the fuel and life savings which result from compliance with the 55 mph speed limit
- Technical assistance is available from Teknekron, NHTSA, and Thomas Buffington & Associates to aid in the development of 55 mph energy conservation programs.
- Grants are available under the Highway Safety Act.

TARGET AUDIENCE(S):

- General public
- Business and industry (general)
- Local government
- State government
- Federal government
- Transportation - All drivers, truck and bus companies
- Insurance companies

DELIVERY MECHANISMS:

- Buffington & Associates (private contractor)
- NHTSA
- DOT, Office of Public Affairs
- Governor's Highway Safety Representatives and their staffs

KEY ENERGY OUTREACH ACCOMPLISHMENTS:

- Article entitled "Judge for Yourself" printed in Conference Board magazine
- Insurance industry advertising
- Shell, ARCO, Texaco, Chevron, etc., commercials supporting 55 mph
- Chevron is co-sponsoring, with NHTSA, a public service announcement on 55 mph.
- Favorable responses from a large number of corporations
- Distribution of NHTSA materials by corporations
- Sponsorship of energy conservation meeting by Sun Co. in which NHTSA presented its materials to several of the largest firms - Dupont, ARCO, IBM, etc.
- Publication of NHTSA drop-in ads in several corporate magazines - Citi-Corp, Getty, Western Airlines, et al.

EVALUATION OF ENERGY OUTREACH ACTIVITIES:

- Measuring client response to the outreach services provided
- Measuring energy savings - The number of gallons of gasoline saved as a result of compliance with the 55 mph speed limit

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	$100,000	$100,000
FY 1980	$100,000	$100,000

[redacted]

AGENCY: Department of Transportation (DOT)

PROGRAM OFFICE: Federal Highway Administration
Public Transportation Management Division
Ridesharing Branch

PROGRAM NAME: Ridesharing Program

CONTACT: Don Morin Tel: (202) 426-0210
National Ridesharing Information Center
Federal Highway Administration, Room 4432
400 7th Street, S.W.
Washington, D.C. 20590

OBJECTIVES:

Objectives of overall program:

- Conserve energy
- Increase the effective capacity of the existing highway network
- Reduce congestion
- Improve air quality
- Provide a more economical and pleasant way to travel

Objectives of energy outreach component:

- Develop a greater awareness among the general public of the importance of an effective ridesharing program
- Provide technical assistance to State and local government and private employers on developing and improving ridesharing programs
- Develop technical resource material on ridesharing
- Assist in the removal of any Federal, State, or local regulatory barriers to ridesharing
- Assist, where possible, in obtaining funding for ridesharing programs

DESCRIPTION OF PROGRAM:

- Conducts regional training sessions for ridesharing personnel
- Prepares and disseminates information packets on various issues for State and local transportation planners, ridesharing program managers, and employers

- Monitors and manages the National Ridesharing Demonstration Program
- Provides technical assistance to promote the implementation of Transportation System Management

Energy outreach services:

- Conducts courses and training sessions on energy savings potential of ridesharing and TSM actions
- Prepares and disseminates technical and promotional information with energy savings focus
- Provides technical assistance to private employers and government agencies on energy savings potential of ridesharing

TARGET AUDIENCE(S):

- State and local urban transportation planners
- Major employers
- Civic and community groups

DELIVERY MECHANISMS:

- The Public Transportation Management Division works primarily with FHWA field offices and the State Departments of Transportation in implementing its program.
- Newsletter to ridesharing program coordinators
- Clearinghouse on ridesharing information to be instituted during FY 1980

BUDGET:

	Total	Amount for Energy Conservation/ Renewable Fuels Outreach
FY 1979	Not Available	Not Available
FY 1980	Not Available	Not Available

APPENDIX B

LEGISLATIVE REQUIREMENTS FOR PREPARATION OF THE COMPREHENSIVE PROGRAM AND PLAN FOR FEDERAL ENERGY EDUCATION, EXTENSION, AND INFORMATION PROGRAMS

National Energy Extension Service Act
(Pub. L. 95-39, 42 U.S.C. 7007)

COMPREHENSIVE PLAN AND PROGRAM

SEC. 508. (a) The Administrator is authorized and directed to prepare a comprehensive program and plan for Federal energy education, extension, and information activities authorized by this title [Energy Extension Service] and any other law. In the preparation of this program and plan, the Administrator shall utilize and consult with the head of each agency referred to in this title and any other Federal agency with an energy education, extension, or information program. Preparation of such program and plan shall not delay in any way the implementation otherwise of this title. Rather, the program and plan should reflect the activities mandated by this title and serve as a mechanism for Federal Government-wide coordination and management of those activities with the activities of other Federal agencies under law.

(b) The comprehensive program and plan shall include, but not be limited to, the following elements:

(1) Specific delineation of responsibility of each participating Federal agency in the conduct of this title;

(2) Mechanisms established to coordinate the activities under this title...;

(3) A detailed summary of all related Federal programs under other law, including program descriptions, types of delivery mechanisms; budget, and objectives;

(4) Procedures for defining and measuring the effectiveness, in terms of increased energy efficiency, fuel savings, adoption of new energy technologies, and other appropriate criteria, of the activities under this title and related activities under other law;

(5) An assessment of other existing Federal assistance and incentives, other than public education, extension, and outreach programs, and their relation to such programs, in achieving the objectives of this title;

(6) Procedures to minimize conflict with existing services in the private sector of the economy which are similar to those under this title and other law; and

(7) A comprehensive and integrated plan for the resulting Federal program, taking into account paragraphs (1) through (6).

(c) The Administrator shall transmit the comprehensive program and plan to the President and to each House of Congress within one hundred and eighty days after the date of enactment of this Act. Thereafter, the Administrator shall revise the program and the plan on an annual basis and submit the revisions as part of the annual fiscal year budget submission and report required by section 15 of the Federal Nonnuclear Energy Research and Development Act of 1974.

(NOTE: References to the previous Energy Research and Development Administration now pertain to the Department of Energy.)

Energy Security Act
(Public Law 96-294, June 30, 1980)

COORDINATED DISSEMINATION OF INFORMATION ON RENEWABLE ENERGY RESOURCES AND CONSERVATION

Section 404. In order to improve the effectiveness of Federal information dissemination activities in the field of renewable energy resources and energy conservation with the objective of developing and promoting better public understanding of these resources and their potential uses, the Secretary shall --

(1) take affirmative steps to coordinate all of the activities of the Department of Energy, whether conducted by the Department itself or other public or private entities with assistance from the Department, which are aimed at or involve the dissemination of information with respect to renewable energy resources or energy conservation, and

(2) report annually to the Congress on the status of such activities, including a description of how the information dissemination activities and services of the Department of Energy in the fields of renewable energy resources and energy conservation are being coordinated with similar or related activities and services of other Federal agencies.

U.S. GOVERNMENT PRINTING OFFICE: 1981—361-060:2084